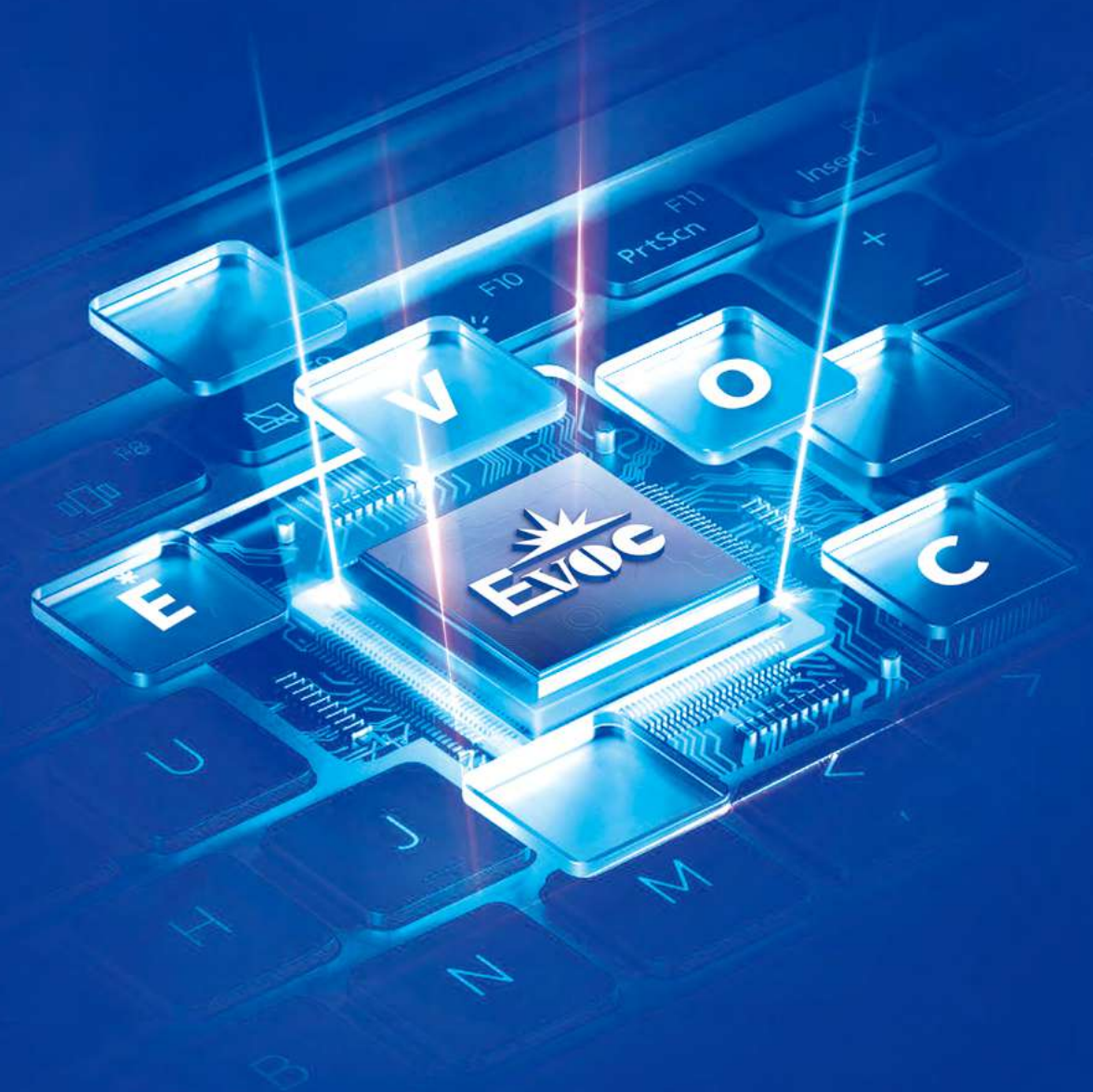


PRODUCT CATALOG

VOL15.0



PRODUCT CATALOG VOL15.0

EVOC Intelligent · Leading provider of industrial Internet solutions in China.



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EVOC Intelligent

EVOC Intelligent is the first limited liability company established by EVOC Group in Shenzhen in 1993. In just 13 years, it has become a leading high-tech enterprise in China, specializing in the R&D, manufacturing, sales, and system integration of embedded computers. Additionally, EVOC Intelligent has expanded its operations to become a leading provider of industrial Internet solutions in China.

EVOC Global R&D Centers



Shenzhen Guangming



Beijing



Nanning



Hangzhou



Germany



Xi'an



Guilin



Shanghai

CONTENTS

01	About EVOC Intelligent	003
02	Core Advantages	
	Technological innovation:	
	three national-level technological innovation platforms	005
	Industry benchmark:	
	compiler of multiple national standards in the industry	006
	Quality Assurance:	
	the most comprehensive laboratory system in the industry	007
	System support:	
	a fully integrated enterprise information system	008
	Renowned brand:	
	core products covering diverse industries and fields	009
	Self-developed products:	
	a leader in the localization of embedded computer	010
	Service first:	
	providing comprehensive support and service	011
03	Product Solution	
	Intelligent manufacturing	014
	Network communication	150
	Intelligent platform	204

EVOC Intelligent

Company Profile

1700+
applied patents

1300+
non-patented core
technologies

National-level
innovative enterprise

National-level
high-tech enterprise

National technological
innovation
Demonstration enterprise

Independent innovation
of Chinese enterprises
TOP 100

National intellectual
property
Demonstration enterprise



EVOC Intelligent was the first limited liability company established by EVOC Group in Shenzhen in 1993. In just 13 years, it has become a leading high-tech enterprise in China, specializing in the R&D, manufacturing, sales, and system integration of embedded computers. Additionally, EVOC Intelligent has expanded its operations to become a leading provider of industrial Internet solutions in China. Its products are sold directly to 43 countries worldwide and indirectly to 167 countries.

Business Coverage

The system products of EVOC Intelligent serve as core components and key equipment for automation, intelligence, informatization, and digitalization in both traditional and strategic emerging industries. These products are designed to meet specific customization needs and withstand various demanding working environments across diverse sectors. Currently, they are widely utilized in major industries and fields of the national economy, including industrial Internet, aerospace, AI, high-end equipment manufacturing, the emerging marine industry, new energy, electronic information, intelligent transportation, telecommunications, finance, network, medical care, and monitoring.



Technological Innovation



Three national-level technological innovation platforms

国家特种计算机 工程技术研究中心

中华人民共和国科学技术部

National Embedded Computer Engineering Technology Research Center

Founded in January 2013, it is a research institution specialized in embedded computer engineering technology research and engineering applications. Its construction is undertaken by EVOC Intelligent Technology Co., Ltd., jointly guided by Science and Technology Innovation Committee of Shenzhen, under the leadership of the Ministry of Science and Technology of the country.

国家地方联合 工程实验室

国家发展和改革委员会

National and Local Joint Engineering Laboratory

Founded in 2016, this Laboratory primarily leverages the technological advantages of both upstream and downstream industries of industrial control networks and intelligent equipment technology. Its research focuses on key generic technologies, including industrial control LAN technology, intelligent industrial control equipment, cyber-physical systems (CPS), industrial control information security, industrial big data, and applications of the industrial Internet.

国家认定 企业技术中心

国家发展改革委 科技部
财政部 海关总署 国家税务总局

National-level Enterprise Technology Center

After years of development, this Center has consistently transformed new technological achievements into robust productivity through talent acquisition and training, innovation team building, key technology research, and the establishment of advanced R&D tools and equipment. These efforts have propelled our products and technologies to international advanced levels, positioning us as a benchmark for the industry in China.

Benchmark Company In The Industry

A compiler of multiple national standards in the industry

EVOC Intelligent actively leads and participates in the development of both international and domestic standards, driving the standardization and innovative advancement of technology within the industry. As of May 2024, EVOC Intelligent has led the compilation of 2 international standards and 43 national standards in the industry. It has applied for more than 1,700 patents, more than 1,300 non-patented core technologies.



Quality Assurance

The most comprehensive laboratory system in the industry

Leveraging the resources of EVOC Group, EVOC Intelligent has established the most comprehensive laboratory system in the global industry, consisting of 33 laboratories. Among these, 7 are internationally advanced—focused on machine vision, high availability, industrial control networks, industrial control security, comprehensive stress testing, mechanical environment reliability, and marine electronic information—while 22 are domestically advanced and have passed national CNAS and CMA certifications.



EMC Lab



Industrial Network Lab



Signal Integrity Laboratory



Environmental Stress Screening Lab



Anti-aging Lab



Mechanical Environmental Reliability Lab



Sand-Dust Lab



Environment Lab



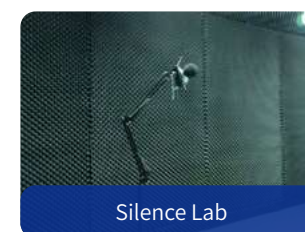
Waterproof Lab



Salt Fog Lab



Three Comprehensive Stress Environment Lab



Silence Lab



Fungus Lab



Mounting Process Optical Inspection Lab



Xenon Lamp Illumination Lab



Comprehensive Stress Environment Lab

System Support

Fully integrated enterprise information system

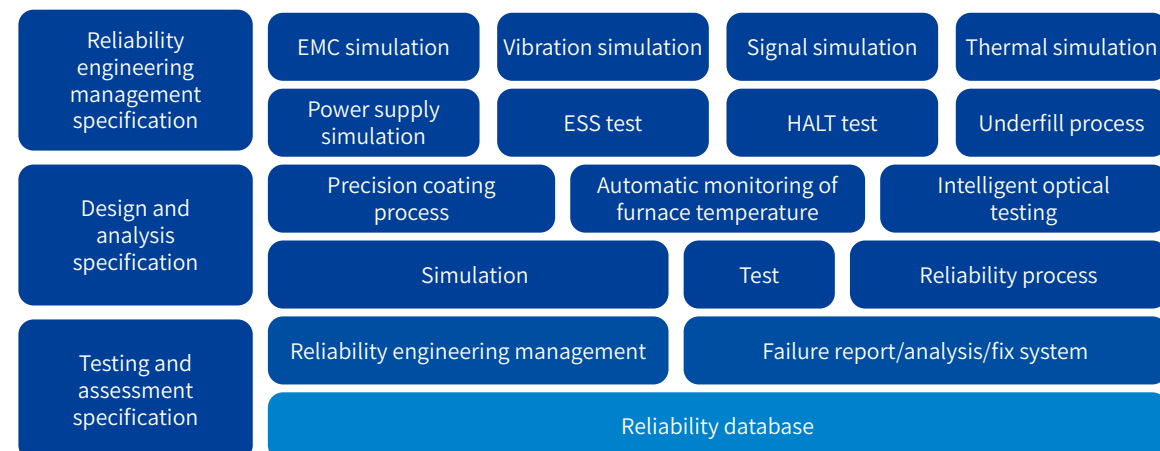
EVOC Intelligent places great importance on the role of information systems in guaranteeing quality management during production and operational activities. A fully integrated enterprise information system centered around product lifecycle management, enterprise resource planning and management, customer relationship management, and customer management system has been established to ensure the reliability of quality.



Unique reliability management system in the industry

The system implements reliability management throughout the entire product lifecycle, encompassing market demand, product planning, R&D, design verification, production, distribution, usage, and maintenance. This approach ensures product reliability and meets optimal quality requirements.

Reliability assurance system



Renowned Brand

Core products covering diverse industries and fields

The system products of EVOC Intelligent serve as core components and key equipment for automation, intelligence, informatization, and digitalization in both traditional and strategic emerging industries. These products are designed to meet specific customization needs and withstand various demanding working environments across diverse sectors. Currently, they are widely utilized in major industries and fields of the national economy, including industrial Internet, aerospace, AI, high-end equipment manufacturing, the emerging marine industry, new energy, electronic information, intelligent transportation, telecommunications, finance, network, medical care, and monitoring.



Intelligent manufacturing

Edge computing unit

M30	018
M50B	020
M60A	024
M60B	028
M80	032
MGP-800	034
M90	036

Intelligent HMI terminal

W15E	046
W18A	048
W21B	050
P12B	052
P15B	054
P17B	056
P19B	058
D12B	060
D15B	062
D17B	064
D19B	066
D21B	068

Industrial control computer

IPC-316	076
IPC-520S	078
IPC-620H	080
IPC-6207	082
IPC-630B	086
IPC-310	088
IPC-710	090
IPC-810E	092
IPC-820	096
IPC-860	098

Industrial motherboard

EC0-1816(F)	100	EC7-1821	126
EC0-1816(E)	102	EC7-1823	128
EC0-1817(B)	104	EC3-1820	130
EC0-1818(C)	106	EC3-1821	132
EC0-1818-C236	108	EC3-1822	134
EC0-1820	110	COM-1817	136
EC0-1821	112	COM-1818	138
EC0-1822	114	COM-1819	140
EC0-1823	116	COM-1501-LX	142
EC0-1825	118	COM-1502-FT	144
EC0-1826	120	COM-1505-FT	146
EPE-1816	122		

Network communication

Industrial network platform

N15-01	158	NPC-5115-ZX	180
N15-01B	160	NPC-5115C-ZX	182
N15-02	162	NPC-8208-ZX	184
NPC-8128-02	164	N35-HG	186
NPC-8128-03	166	NPC-8208-HG	188
NPC-8228-02	168	NPC-5217-HG	190
NPC-8208	170	N15-FT	192
N35-03	172	NPC-5201-FT	194
NPC-8232	174	NPC-5118-FT	196
NPC-8220	176	EIS-2208-FT	198
NPC-8230	178	EIS-2210-FT	200

Intelligent platform

Dedicated PCs (railway, electric power, etc.)

SPC-8231-ZX	204	ERC-1004B	212
SPC-8271B	206	ERC-1004C	214
SPC-8271C	208	ERC-1004D	216
SPC-8271D	210	TRW-8271	218

Edge Computing Unit Model Selection Table

Model		M30	M50B
Product Picture			
System Configuration	Processor	Intel® Celeron J1900	M50B-E: supports Intel® J1900/J6412/X6425E processor M50B-H: supports Intel® I3-6100U/I5-6300U/I7-6600U processors
	Chipset	Intel® BayTrail	M50B-E: Intel® BayTrail, Elkhart lake M50B-H: Intel® SkyLake-U
	Memory	supports 1 x 204Pin DDR3L SO-DIMM slot, supporting up to 8GB, with 8G DDR3L memory requiring chips on both sides	BayTrail: supports 1 x 204Pin DDR3L SO-DIMM slot Standard configuration: 4GB, with the slot supporting up to 8GB and the PC supporting up to 8GB Elkhart lake: supports 1 x 260Pin DDR4 SO-DIMM slot, with the slot supporting up to 32GB and the PC supporting up to 32GB SkyLake-U: supports 1 x 260Pin DDR4 SO-DIMM slot, onboard 4GB, with the slot supporting up to 16GB and the PC supporting up to 20GB
I/O Port	LAN Port	2 x RJ45 10/100/1000Mbps LAN port (LAN1 supports the LAN wake-up function)	2 x RJ45 10/100/1000Mbps LAN port, expandable up to 4 x port
	Display	Supports VGA and HDMI display ports	Supports VGA and HDMI display ports
	USB	1 x USB3.0 + 7 x USB2.0 port	BayTrail: supports up to 1 x USB3.0 + 5 x USB2.0 port Elkhart lake: supports up to 1 x USB3.0 + 5 x USB2.0 port SkyLake-U: supports up to 2 x USB3.0 + 4 x USB2.0 port
	COM	6 x serial port, COM1 supporting optional RS232/485/422, COM2~ COM6 supporting RS-232	2/4 x serial port optional, COM1~COM4, RS232/485/422 optional
	Audio	Supports MIC-IN and LINE-OUT	Supports MIC-IN and LINE-OUT
	GPIO	/	/
	Others	1 x 2Pin Phoenix terminal power port 1 x 2Pin Phoenix terminal remote switch port	1 x 4Pin Phoenix terminal power port
Expansion Bus	Motherboard Integration	1 x M-SATA slot (for 4G or storage, not available simultaneously) 1 x SATA port 1 x M.2 keyE (for WIFI module)	BayTrail/ SkyLake-U : 1 x 4Pin Phoenix terminal power port 1 x M.2 key E slot (for WIFI function) 1 x M-SATA slot (for 4G or storage function. The 4G function and storage expansion cannot be used simultaneously) 1 x M.2 key B-slot (for 5G or storage) 1 x Mini-PCIE slot (for 4G or WiFi) 1 x M.2 key M or PCIe4 (X2 resources), horizontal (supporting M.2 key M function by default)
Storage	Hard Disk	1 x SATA port (with optional 2.5-inch HDD or SSD)	1 x SATA port (with optional 2.5-inch HDD or SSD)
	M-SATA/ M.2	1 x M-SATA slot (for 4G or storage, not available simultaneously)	BayTrail/SkyLake-U: supports x 1 M-SATA slot Elkhalt lake: supports 1 x M.2 KEY M and 1 x M.2 KEY B slot
		0°C~+45°C (HDD) -10°C~+60°C (wide-temperature SSD/DOM) Note: The air velocity in the working environment of the PC must be greater than 0.5m/s.	0°C~+45°C (HDD) -10°C~+60°C (wide-temperature SSD/DOM) Note: The air velocity in the working environment of the PC must be greater than 0.5m/s.
		-40°C~+85°C, humidity: 5%~95% (non-condensing state)	-40°C~+85°C; humidity: 5%~95% (non-condensing state)
		Wall-mounted, desktop	Wall-mounted, desktop, VESA standard arm
Dimensions (WXHxD)		200mm (W) × 165mm (D) × 70mm (H)	176mm (W) × 142mm (D) × 64mm (H)
Power Supply		External AC 220V power adapter or DC 12V direct input power supply	Intel® SkyLake-U: DC 19V single power supply Intel® J1900/J6412/X6425E: DC 12V single power supply DC 9-30V wide voltage input optional

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Edge Computing Unit Model Selection Table

Model		M60A	M60B
Product Picture			
System Configuration	Processor	M60A-E: Intel® Celeron J1900 2.0Ghz quad-core, onboard processor which is non-replaceable M60A-H: Intel® H110/C236: supports 6/7/8th-generation Intel® Core™ I3/I5/I7 series, 9th-generation Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W	Supports 12/13th-generation Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G Series Processor LGA1700 pin, processor within 65W
	Chipset	M60A-E: Intel® BayTrail M60A-H: Intel® H110/C236	Intel® H610E/Q670E
	Memory	M60A-E (BayTrail): supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB, with 8G DDR3L memory requiring chips on both sides M60A-H (H110/C236): supports 2x 260Pin DDR4 SO-DIMM memory slot, with 1 slot supporting up to 32GB and the PC supporting up to 64GB	Supports 2 x 262Pin DDR5 4800MHz SO-DIMM memory slot, with 1 slot supporting up to 32G and the PC supporting up to 64GB
I/O Port	LAN Port	2/4/6 x RJ45 10/100/1000Mbps LAN port optional	Basic version: 1 x Gigabit LAN port, 1 x 2.5G LAN port; LAN1 supports LAN wake-up; the LAN port supports PXE function Upgraded version: H610E platform can be optionally configured to add 2 x 2.5G LAN port (optional) Q670E platform can be optionally configured to add 4 x 2.5G LAN port (optional)
	Display	M60A-E (BayTrail)/M60A-H(H110): supports any two displays of VGA, HDMI and DVI-D, but does not support simultaneous three displays M60A-H (C236): supports independent and simultaneous three displays of VGA, HDMI and DVI-D	H610E platform: 2 x HDMI 2.0, 1 x DP1.4 and 1 x eDP port (built-in), supporting simultaneous three displays Q670E platform: 2 x HDMI 2.0, 1 x DP1.4 and 1 x eDP port (built-in), supporting simultaneous four displays
	USB	M60A-E (BayTrail): 1 x USB3.0 + 7 x USB2.0 port M60A-H(H110): 4 x USB3.0+4 x USB2.0 port M60A-H (C236): 8 x USB3.0 port	H610E platform: 2 x USB3.2 Gen2, 1 x USB3.2 Gen1 port and 5 x USB2.0 port Q670E platform: 4 x USB3.2 Gen2, and 4 x USB3.2 Gen1 port
	COM	4/5/6 x serial port optional, COM1~COM6 supporting RS232/485/422, up to 10 x COM port with expansion box, 4 x serial port of the expansion box are in RS-232 mode	Basic version: 4 x serial port, supporting RS232/422/485 adjustable Upgraded version: 2 x additional serial port (optional), supporting RS232/422/485 adjustable
	Audio	Supports MIC-IN, LINE-IN and LINE-OUT	1 group of Audio ports (supporting MIC-IN and LINE-OUT)
	GPIO	1 x 8-channel GPIO (1 × 10 Phoenix terminal)	Upgraded version: 1 x 16-channel GPIO optional
	Others	1 x 4Pin Phoenix terminal power port	1 x 4Pin Phoenix terminal power port
Expansion Bus	Motherboard Integration	1 x M-SATA slot (for 4G or storage) 1 x SIM card slot, supporting external SIM card for easy installation 1 x M.2 Key E (WIFI expandable) M60A-H (C236): supports 1 x M.2 keyM (PCIe X4 signals) M60A-H (H110): supports 1 x M.2 keyM (PCIe X1 signal) Note: An expansion box can be added	H610E: 1 x 2242/2280 M.2 Key M (NVME PCIe3.0 X2 signals, expanded storage) 1 x 3042/3052 M.2 Key B (SATA and USB3.0 signals, expanded 5G and storage) 1 x Mini PCIe port, built-in SIM card slot (supporting PCIe and USB signals, expanded 4G) 1 x 2230 M.2 KEY E port (expanded WIFI and Bluetooth) Q670E: 1 x 2242/2280 M.2 Key M (NVME PCIe3.0 X4 signals, expanded storage) 1 x 3042/3052 M.2 Key B (SATA and USB3.0 signals, expanded 5G and storage) 1 x Mini PCIe port, built-in SIM card slot (supporting PCIe and USB signals, expanded 4G) 1 x 2230 M.2 KEY E port (expanded WIFI and Bluetooth)
Storage	Hard Disk	Provides 2xSATA port (supporting 2x2.5-inch hard disks)	Supports 2 x 2.5-inch HDD/SSD
	M-SATA/ M.2	Provides 1 xM-SATA slot M60A-H (C236): supports 1 x M.2 keyM (PCIe X4 signals) M60A-H (H110): supports 1 x M.2 keyM (PCIe X1 signal)	Supports 1 x 2242/2280 M.2 Key M (with H610E supporting NVME PCIe3.0 X2, Q670E supporting NVME PCIe3.0 X4)
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check detailed specifications.	0°C~+45°C (HDD, CPU≤65W) -20°C~+60°C (SSD, 35W CPU) -20°C~+50°C (SSD, 65W CPU) -20°C~+60°C (65W CPU with optional fan)
Storage Environment		-40°C~+85°C; humidity: 5%~95% (non-condensing state)	-40°C~+85°C; humidity: 5%~95% (non-condensing state)
Installation Method		Wall-mounted, desktop, VESA standard arm	Wall-mounted, desktop, VESA standard arm
Dimensions (WXHxD)		M60A-E: 240mm (W) × 185mm (D) × 58mm (H) M60A-H: 240mm (W) × 185mm (D) × 78mm (H)	M60B-H: 240*200*88mm (without expansion box and mounting bracket) M60B-H-2P: 240*200*143mm
Power Supply		Intel® H110/C236: DC 19V single power supply Intel® J1900: DC 12V single power supply DC 9-36V wide voltage input optional	DC 9-36V wide voltage input

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Edge Computing Unit Model Selection Table

Model		M80	MGP-800
Product Picture			
System Configuration	Processor	Intel® Xeon W & 10th/11th Core™ i9/i7/i5/i3, LGA1200 series processors with power consumption not exceeding 65W	Supports the 10/11th-generation Xeon/Core series processors Processors with power consumption not exceeding 80W
	Chipset	Intel® W480E	Intel® W480E
	Memory	2 x 260 Pin DDR4 SO-DIMM slot, with 1 slot supporting up to 32G and the PC supporting up to 64G	2 × 260-Pin DDR4 SO-DIMM, 64G
I/O Port	LAN Port	2 x RJ45 10/100/1000Mbps LAN port, expandable to 6 x LAN port	2 × RJ45
	Display	1 x VGA, 1 x HDMI display	VGA, HDMI (built-in, expanded 1 DVI port optional)
	USB	4 x USB3.2 (Gen 2) + 4 x USB3.2 (Gen 1) port	4 × USB3.2(GEN2), 4×USB3.2(GEN1)
	COM	2 x serial port, RS232/485/422 optional; 4 x built-in 2x5Pin Wafer pin, expandable RS232	2 × serial port, RS-232/422/485 adjustable, 4 × RS-232 built-in (optional)
	Audio	Supports MIC-IN and LINE-OUT	1 group of Audio ports (1 × line out, 1 × mic in)
	GPIO	/	1 x 8-channel GPIO
	Others	1 x 4Pin Phoenix terminal power port	1 x USB2.0 (1×5 Pin wafer socket, with the built-in softdog expandable through USB cable) 4 x SATA3.0 (6Gbps), supporting RAID 0/1/5/10 1 x TPM port, supporting TPM2.0
Expansion Bus	Motherboard Integration	1 x M-SATA slot (for 4G or storage function. The 4G function and storage expansion cannot be used simultaneously) 1 x internal SIM card slot 1 x M.2 Key E (WIFI expandable) 1x 2×30Pin high-speed connector, custom expansion port, and external expanded module	1 x MiniPCle port (SATA signal), expandable 4G module or MSATA storage 1 x SIM card slot 1 x M.2 Key E (expanded WIFI module) 1 x 2×30Pin high-speed connector, custom expansion port
Storage	Hard Disk	Provides 1 x SATA port (supporting one 2.5-inch laptop hard disk)1/2 x additional 2.5-inch hard disk, expanded with an expansion box	Supports up to 4 x 2.5-inch SATA 3.0 hard disk 1 x 2.5-inch hard disk bay, built in the fanless complete PC Expansion box: supports 2 x 2.5-inch hard disk pull-out bay (supporting hot swap) Expansion box: supports 1 x internal 2.5-inch hard disk bay (optional)
	M-SATA/ M.2	M.2 Supports 1 x M-SATA slot	Supports 1 x M-SATA slot; (for 4G or storage function. The 4G function and storage expansion cannot be used simultaneously) M-SATA
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check detailed specifications.	Processors with different power consumption work in different environments. Please refer to the user manual to check detailed specifications.
Storage Environment		-40°C~+85°C; humidity: 5%~95% (non-condensing state)	-40°C ~ 85°C; 95% @40°C (non-condensing state)
Installation Method		Wall-mounted, desktop	Desktop
Dimensions (WxHxD)		80mm (W) × 240mm (D) × 200mm (H) M80-1P: 108mm (W) × 240mm (D) × 200mm (H) M80-2P: 129mm (W) × 240mm (D) × 200mm (H) M80-3P: 154mm (W) × 240mm (D) × 200mm (H)	Dimensions of dual GPU expanded complete PC: 290mm (width) × 200mm (height) × 395mm (depth) Dimensions of single GPU expanded complete PC: 229mm (width) × 200mm (height) × 395mm (depth)
Power Supply		External AC 220V power adapter or DC 9-36V wide voltage input (optional)	External AC 220V power adapter 480W or 1000W power supply (optional)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Edge Computing Unit Model Selection Table

Model		M90
Product Picture		
System Configuration	Processor	Supports Intel® 8/9th-generation Core processors
	Chipset	Intel® Q370
	Memory	2 x 260 Pin DDR4 SO-DIMM slot, with 1 slot supporting up to 32G and the PC supporting up to 64G
I/O Port	LAN Port	6 x RJ45 10/100/1000Mbps LAN port
	Display	1 x VGA port, 1 x HDMI port and 1 x DP port
	USB	8 x USB3.0 port
	COM	6 x serial port, RS232/485/422 optional
	Audio	Supports MIC-IN and LINE-OUT
	GPIO	1 x 8-channel GPIO port (1 × 10 Phoenix terminals)
	Others	1 x 6Pin Phoenix terminal power port
Expansion Bus	Motherboard Integration	1 x M.2 Key E port (WIFI expandable) 1 x M.2 Key B port (USB 3.0 and SATA signals, 5G or storage expandable) 2 x M.2 Key M port (PCIE X4 signal, memory/AI card expandable) 1 x internal SIM card slot 1 x PCIE3.0×8 slot (an expansion card can be provided)
Storage	Hard Disk	Provides 2 x SATA port (supporting 2 x 2.5-inch SATA 3.0 hard disks)
	M-SATA/ M.2	Supports 1 x M.2 Key B port Supports 1 x M.2 Key M port
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check detailed specifications.
Storage Environment		-40°C~+70°C; humidity: 5%~95% (non-condensing state)
Installation Method		Wall-mounted, desktop
Dimensions (WxHxD)		300mm (W) × 200.4mm (D) × 90mm (H)
Power Supply		External AC 220V power adapter or DC 9-36V wide voltage input (optional)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

M30

Low-power and High-Performance Fanless Embedded System

M30 is a fanless, low-power, high-performance embedded product featuring an onboard J1900 processor and the BayTrail platform chip. It is compatible with WIN7, WIN10, LINUX (2.6 kernel), and other operating systems. Its compact and robust design includes a fanless structure, with the shell used for heat dissipation and excellent sealing performance for dust prevention, heat dissipation, and vibration resistance. M30 is mainly used in embedded fields such as mechanical testing equipment, industrial automation control, and IoT terminals.



Product Features



Low power consumption and high performance



Fully sealed and fanless



4G and WIFI modules expandable

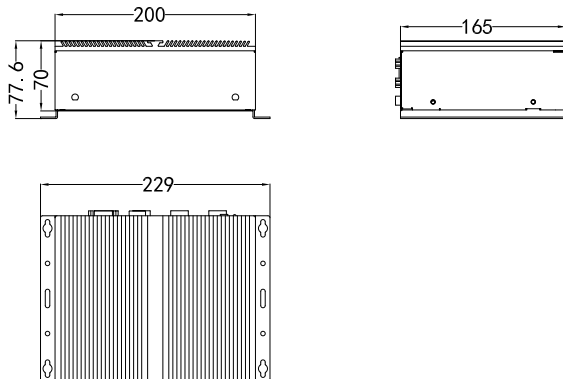


Operating in a wide temperature range



Rich and expandable port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Intel® Celeron J1900 2.0Ghz quad-core,, onboard processors which are non-replaceable
	Chipset	Intel® BayTrail
	Memory	Supports 1 x 204Pin DDR3L SO-DIMM slot, up to 8GB, with 8G DDR3L memory requiring chips on both sides
I/O Port	LAN Port	2 x RJ45 10/100/1000Mbps LAN port (LAN1 supports the LAN wake-up function)
	Display	Supports VGA and HDMI display ports
	USB	1 x USB3.0 + 7 x USB2.0 port
	COM	6 x serial port, COM1 supports RS232/485/422 optional (MAX), default RS-232, COM2~COM6 is in RS-232 mode
	Audio	1 group of Audio ports (supporting MIC-IN and LINE-OUT)
Expansion Bus	Motherboard Integration	1 x M-SATA slot (for 4G or storage, not available simultaneously)
		1 x SATA port
		1 x M.2 keyE (for WIFI module)
Storage	Hard Disk	1 x SATA port (with optional 2.5-inch HDD or SSD)
	M-SATA	1 x M-SATA slot (for 4G or storage, not available simultaneously)
Working Environment		0°C~+45°C (HDD) -10°C~+60°C (wide-temperature SSD/DOM) Note: The air flow rate in the working environment of the PC must be greater than 0.5m/s.
Storage Environment		-40°C~+85°C; humidity: 5%~95% (non-condensing state)
Installation Method		Wall-mounted, desktop
Product Dimensions		200 mm (W) × 165 mm (D) × 70 mm (H) (excluding mounting bracket)
Power Supply		1 x 2Pin Phoenix terminal power port 1 x 2Pin Phoenix terminal remote switch port External AC 220V power adapter or DC 12V direct input power supply
Operating System		Supports WIN7 (32/64bit), WIN10, LINUX (2.6 kernel) and other operating systems

Ordering Information

Part No	Model	Description
0020-065921	M30-01	Fanless barebone system/Intel®BayTrail chipset/Celeron J1900 2.0Ghz quad-core processor/no memory/no hard disk/serial port*6/USB3.0*1+ USB2.0*7/Gigabit LAN port*2/VGA *1/HDMI*1 /Line-out*1/MIC*1/12V DC power supply/no adapter
0010-166481	M30-02	Fanless PC/Intel®BayTrail chipset/Celeron J1900 2.0Ghz quad-core processor/4G memory/128G SSD/serial port*6/USB3.0*1+ USB2.0*7/Gigabit LAN port*2/VGA *1/HDMI *1 /Line-out*1/MIC*1/12V DC power supply/12V power adapter*1

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

M50B

Small-size and High-Performance Fanless Embedded System

M50B is a fanless embedded product with a small size and high performance, featuring onboard 6th-generation Intel® Core™ i7/ i5/i3 U series processors, onboard J1900 processor + BayTrail platform chip, and onboard Intel® Celeron™ J6412/Intel® Atom™ X6425E processor. It supports WIN7 (64bit), WIN10, LINUX, and other operating systems. The design is simple with compact dimensions, a fanless structure, and excellent sealing for dust prevention, heat dissipation, and vibration resistance.M50B is primarily used in various embedded intelligence fields such as mechanical testing equipment, industrial automation control, and robot controllers.



Product Features



Fully sealed and fanless



Low power consumption and high performance



Small size

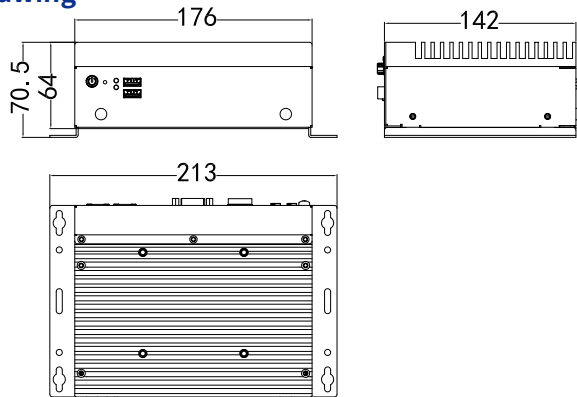


Operating in a wide temperature range



Rich and expandable port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	M50B-E: Intel® Celeron J1900 2.0Ghz, quad-core, Intel® Celeron ™ J6412/Intel® Atom™ X6425E processor, onboard processors which are non-replaceable
		M50B-H: supports Intel® I3-6100U/I5-6300U/I7-6600U processor, and onboard processors which are non-replaceable
	Chipset	M50B-E: Intel® BayTrail, Elkhart lake
		M50B-H: Intel® SkyLake-U
	Memory	BayTrail: supports 1 x 204Pin DDR3L SO-DIMM slot
		Standard configuration: 4GB, with the slot supporting up to 8GB and the PC memory supporting up to 8GB
		Elkhart lake: supports 1 x 260Pin DDR4 SO-DIMM slot, with the slot supporting up to 32GB and the PC memory supporting up to 32GB
		SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM slot
Onboard 4GB; the slot supporting up to 16GB, and the PC memory supporting up to 20GB		
I/O Port	LAN Port	2 x RJ45 10/100/1000Mbps LAN port,expandable up to 4LAN ports . LAN1 supporting Wake-on-LAN
	Display	Provide 1 VGA and 1 HDMI display, and support dual display
	USB	BayTrail: supports up to 1 x USB3.0 + 5 x USB2.0 port
		Elkhart lake: Standard configuration 1x USB3.0 + 3 x USB2.0 port, supporting up to 1x USB3.0 + 5x USB2.0 port
		SkyLake-U: supports up to 2 x USB3.0 + 4 x USB2.0 port
	COM	2~4x serial port, COM1~COM4, RS232/485/422 (optional)
Audio	1 group of Audio ports (supporting MIC-IN and LINE-OUT)	
Expansion Bus	Motherboard Integration	BayTrail/ SkyLake-U:
		1 x M.2 key E slot (for WIFI function)
		1 x M-SATA slot (for 4G or storage function. The 4G function and storage expansion cannot be used simultaneously)
		Elkhart lake:
		1 x M.2 key B-slot (for 5G or storage)
		1 x Mini-PCIE slot (for 4G or WiFi)
		1 x M.2 key M or PCIe4 (X2 resources), horizontal (supporting M.2 key M function by default)
Storage	Hard Disk	1 x SATA port (with optional 2.5-inch HDD or SSD)
	M-SATA/M.2	BayTrail/SkyLake-U: supports 1x M-SATA slot
		Elkhalt lake: supports 1 M.2 KEY M and 1 M.2 KEY B slots
Working Environment		0°C~-+45°C (HDD) -10°C~-+60°C (wide-temperature SSD/DOM) Note: The air flow rate in the working environment of the PC must be greater than 0.5m/s.
Storage Environment		-40°C~+85°C; humidity: 5%~95% (non-condensing state)
Installation Method		Wall-mounted, desktop, VESA standard arm
Product Dimensions		176 mm (W) × 142 mm (D) × 64 mm (H) (excluding mounting bracket)
Power Supply		1 x 4Pin Phoenix terminal power port External AC 220V power adapter for power supply or DC 9-30V wide voltage input (optional) Standard single-voltage DC output of the complete PC: Intel® SkyLake-U: DC 19V single power supply Intel® BayTrail/Elkhart lake: DC 12V single power supply
Operating System		Intel® BayTrail/SkyLake-U: supports WIN7 (64bit), WIN10, LINUX (Kernel 2.6) and other operating systems Intel® Elkhart lake: LINUX systems with high kernel versions such as WIN10, CentOS, Linux and Ubuntu

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Ordering Information

Part No.	Model	Specification
0010-165661	M50B-E-01	Micro fanless PC/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ 4GB memory/ 128G SSD/ serial port*4/ USB2.0 *3+USB3.0*1/ Gigabit LAN port*2/ VGA *1/ HDMI*1 /Line-out*1/ MIC*1/ 12V DC power supply/ 12V power adapter*1
0020-066531	M50B-E-01	Micro fanless barebone system/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ no memory/ no hard disk/ serial port*4/ USB2.0 *5+USB3.0*1/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1 / 12V DC power supply/ no power adapter
0010-165671	M50B-E-02	Micro fanless PC/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ 4GB memory/ 128G SSD/ serial port*2/ USB2.0 *5+ USB3.0*1/ Gigabit LAN port*4/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1/ 12V DC power supply/ 12V power adapter*1
0020-066541	M50B-E-02	Micro fanless barebone system/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ no memory /no hard disk/ serial port*2/ USB2.0 *5+USB3.0 *1/ Gigabit LAN port*4/ VGA port*1/ HDMI*1/ Line-out*1/ MIC*1/ 12V DC power supply/ no power adapter
0010-177931	M50B-E-11	Compact fanless PC/ Intel Celeron J6412 2.0 GHz quad-core processor/ 4GB memory/ 128G SSD/serial port*4/ USB2.0 *3+USB3.0 *1/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1/ 12V DC power supply/ power adapter*1
0010-177941	M50B-E-12	Compact fanless PC /Intel Atom X6425E 2.0 GHz quad-core processor/ 4GB memory/ 128G SSD/ serial port*4/ USB2.0 *3+USB3.0 *1/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1 / 12V DC power supply/ power adapter*1
0010-165681	M50B-H-01	Micro fanless PC/ Intel®Skylake SOC chipset/ I3-6100U 2.3Ghz dual-core processor/ 4GB memory/ 128G SSD/ serial port*4/ USB2.0 *2+USB3.0 *2/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1/ 19V DC power supply/ 19V power adapter*1
0020-066551	M50B-H-01	Micro fanless barebone system/ Intel®Skylake SOC chipset/ I3-6100U 2.3Ghz dual-core processor/ no memory/ no hard disk/ serial port*4/ USB2.0 *2+USB3.0*2/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1 / MIC*1/ 19V DC power supply/ no power adapter
0010-165691	M50B-H-02	Micro fanless PC/ Intel®Skylake SOC chipset/ I5-6300U 2.4Ghz dual-core processor/ 4GB memory/ 128G SSD/ serial port*4/ USB2.0 *2+USB3.0*2/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ Line-out*1/ MIC*1/ 19V DC power supply/ 19V power adapter*1
0020-066561	M50B-H-02	Micro fanless barebone system/ Intel®Skylake SOC chipset/ I5-6300U 2.4Ghz dual-core processor/ no memory/ no hard disk/ serial port*4/ USB2.0 *2+USB3.0*2/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ Line-out*1/ MIC*1 / 19V DC power supply/ no power adapter
0010-165731	M50B-H-03	Micro fanless PC/ Intel®Skylake SOC chipset/ I7-6600U 2.6Ghz dual-core processor/ 4GB memory/ 128G SSD/ serial port*2/ USB2.0 *4+USB3.0*2/ Gigabit LAN port*4/ VGA*1/ HDMI*1/ Line-out*1/ MIC*1/ 19V DC power supply/ 19V power adapter*1
0020-066571	M50B-H-03	Micro fanless barebone system/ Intel®Skylake SOC chipset/ I7-6600U 2.6Ghz dual-core processor/ no memory/ no hard disk/ serial port*2/ USB2.0 *4+USB3.0*2/ Gigabit LAN port*4/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1/ 19V DC power supply/ no power adapter
0010-173641	M50B-H-04	Compact and high-performance fanless PC/ Intel®Skylake SOC chipset/ I5-6300U 2.4Ghz dual-core processor/ 8GB memory/ 128G SSD/ serial port*4/ USB2.0*2+USB3.0 *2/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1/ 19V DC power supply/ 19V power adapter*1
0010-173651	M50B-H-05	Compact and high-performance fanless PC/ Intel®Skylake SOC chipset/ I7-6600U 2.6Ghz dual-core processor/ 8GB memory/ 128G SSD/ serial port*2/ USB2.0*4+USB3.0 *2/ Gigabit LAN port*4/ VGA*1/ HDMI*1/ Line-out*1/ MIC*1/ 19V DC power supply/ 19V power adapter*1
0010-186741	M50B-E-13	Compact fanless PC/ Intel Celeron J6412 2.0 GHz quad-core processor/ 4GB memory/ 128G SSD/serial port*2/ USB2.0 *5+USB3.0 *1/ Gigabit LAN port*4/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1 / 12V DC power supply/ power adapter*1
0020-068051	M50B-E-17	Compact fanless barebone system/ Intel Celeron J6412 2.0 GHz quad-core processor/ no memory/ no hard disk/serial port*4/ USB2.0 *3+USB3.0 *1/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1 / 12V DC power supply/ no power adapter*1
0020-068021	M50B-E-18	Compact fanless barebone system/ Intel Atom X6425E 2.0 GHz quad-core processor/ no memory/ no hard disk/serial port*4/ USB2.0 *3+USB3.0 *1/ Gigabit LAN port*2/ VGA *1/ HDMI*1/ Line-out*1/ MIC*1 / 12V DC power supply/ no power adapter*1

Optional Accessories

Part No.	Model	Specification
1100-004811	Power Adapter	60W 12V adapter accessory kit
1100-007411		150W 19V adapter accessory kit
1097-000031	EF-PWR-073ECS	DC19V input
1067-000361	EF-PWR-072ECS	DC12V input
1097-000041	EF-PWR-074ECS	DC9V-30V wide voltage input
1067-000521	M50B/EF-EIO-137ECS (B)	Rear I/O board kit: 4 serial ports (RS232/422/485, optional), 1 group of audio ports (Line-out, MIC-in)
1067-000511	M50B/EF-EIO-136ECS (B)	Rear I/O board kit: 2 serial ports (RS232/422/485, optional) 2 x RJ45 10/100/1000 LAN port, 1 group of audio ports (Line-out, MIC-in), 2 x USB 2.0

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

SMALL SIZE
EASY USE



Intel® BayTrail/Skylake-U Compact Fanless System

M50B

- Small size

Onboard Intel SkyLake-U BayTrail platform processor with low power consumption and high reliability
- Low power consumption

Onboard Intel SkyLake-U BayTrail platform processor with low power consumption and high reliability
- Flexible and rapid deployment

Modular kit design
Change required ports rapidly
- Wide voltage input

Optional 9~30VDC input
Support remote startup/shutdown
- Safety and stability

Rigorous Tests
Quality Assurance

M60A

Low-power and High-Performance Fanless Embedded System

M60A is a low-power and high-performance fanless embedded product. The chassis of the product is cast from aluminum alloy, featuring a compact structure and fanless design. It has excellent sealing, dustproof, heat dissipation and vibration resistance performance, making it suitable for use in harsh environments with high levels of pollution, heavy dust, and severe electromagnetic interference. The product utilizes IntelC236/ H110/Baytrail and other platform technology solutions, supporting Intel®Core™ 6/7/8/9 CPU, multiple Gigabit LAN port, and PCI/PCIE extension. The complete PC offers comprehensive functionality and strong environmental adaptability, making it suitable for mid-to-high-end customer requirements. It can be widely applied in various embedded fields such as machine vision, autonomous driving, highway lane control, mechanical inspection equipment, and industrial automation control.



Product Features



Fully sealed
and fanless



Low power
consumption and
high performance

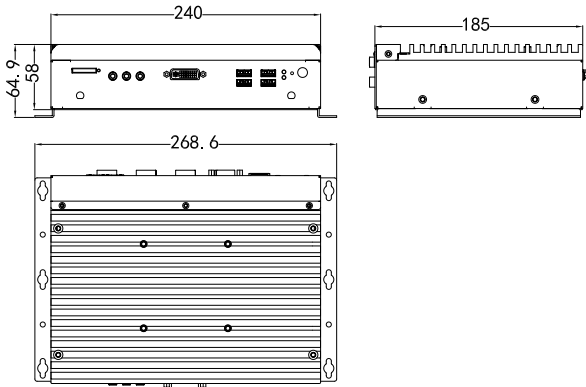


Operating in a
wide temperature
range



Rich and
expandable port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
System Configuration	Processor	M60A-E: Intel® Celeron J1900 2.0Ghz quad-core, onboard processors which are non-replaceable		
	Chipset	M60A-H: Intel® H110/C236: supports 6/7/8 Gen Intel® Core™ I3/I5/I7 series; supports 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤65W		
		M60A-E: Intel® BayTrail		
	Memory	M60A-H: Intel® H110/C236		
I/O Port	LAN Port	M60A-E (BayTrail): supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB, with 8G DDR3L memory requiring chips on both sides		
		M60A-H (H110/C236): supports 2x 260Pin DDR4 SO-DIMM memory slot, with 1 slot supporting up to 32GB and the PC supporting up to 64GB		
	Display	2/4/6 x RJ45 10/100/1000Mbps LAN port optional		
	USB	M60A-E (BayTrail)/M60A-H(H110): supports any two displays of VGA, HDMI and DVI-D, but does not support three displays simultaneously		
		M60A-H (C236): supports independent and simultaneous three displays of VGA, HDMI and DVI-D		
	COM	M60A-E (BayTrail): 1 x USB3.0 + 7 x USB2.0 port		
	GPIO	M60A-H(H110): 4 x USB3.0+4 x USB2.0 port		
Expansion Bus	Motherboard Integration	M60A-H (C236): 8 x USB3.0 port		
		Optional 4/5/6 serial ports. COM1~COM6 support optional RS232/485/422 (MAX), and the expansion box can have up to 10 COM ports. The 4 serial ports of the expansion box are in RS-232 mode		
		1 x 8-channel GPIO (1 × 10 Phoenix terminals)		
	Expansion Box	1 group of audio ports (supporting MIC-IN, LINE-IN and LINE-OUT)		
		1 x M-SATA slot (for 4G or storage)		
		1 x SIM card slot, supporting external SIM card for easy installation		
Storage	MSATA M.2	1 x M.2 key E slot (for WIFI function)		
		M60A-H (C236): supports 1 x M.2 keyM (PCIe X4 signals)		
		M60A-H (H110): supports 1 x M.2 keyM (PCIe X1 signal)		
Working Environment	Hard Disk	Dual expansion card I: 2x PCI (optional)		
		Dual expansion card II: 1 x PCI + 1x PCIe x 16 (optional)		
	MSATA	Quad-expansion cards I: 4x PCI (optional)		
		Adapting to M60A-H (H110/C236): PCIe slot for PCIe3.0 x16 signals		
Storage Environment	Installation Method	Adapts to M60A-E (J1900): PCIe slot for PCIe3.0 x1 signals		
		Remarks: PCI slot supports PCI2.3 standard; the size supported by PCI card is 106.68mm high and 174.63mm long, and that of PCIe card is 106.68mm high and 167.65mm long		
	Product Dimensions	Provides 2x SATA interface, supports 2x 2.5-inch laptop hard disks and hot swap function		
		Provides 1x M-SATA slot		
Power Supply	Power Supply	M60A-H (C236): supports 1 x M.2 keyM (PCIe X4 signal)		
		M60A-H (H110): supports 1 x M.2 keyM (PCIe X1 signal)		
	Working Environment	CPU power consumption	With hard disk drive (HDD)	With the solid state/electronic hard disk
		CPU TDP<35W	0°C~+45°C	-10°C~+60°C
Storage Environment	Installation Method	CPU TDP=35W	0°C~+40°C	-10°C~+60°C
		35W<CPU TDP≤65W	0°C~+40°C	-10°C~+50°C
	Product Dimensions	Note: The air flow rate in the working environment of the PC depends on the specific configuration.		
		-40°C~+85°C; humidity: 5%~95% (non-condensing state)		
Power Supply	Power Supply	Wall-mounted, desktop, VESA standard arm		
		Without the expansion box:		
	Working Environment	M60A-E: 240mm (W) × 185mm (D) × 58mm (H)		
		M60A-H: 240mm (W) × 185mm (D) × 78mm (H)		
Storage Environment	Installation Method	With the expansion box:		
		M60A-E-2P: 240mm (W) × 196.8mm (D) × 113mm (H)		
	Product Dimensions	M60A-H-2P: 240mm (W) × 196.8mm (D) × 133mm (H)		
		1 x 4Pin Phoenix terminal power port		
Power Supply	Power Supply	External AC 220V power adapter or DC 9-36V wide voltage input (optional):		
		M60A-H (Intel® H110/C236): Standard configuration DC 19V single power supply (optional 9VDC-36VDC wide voltage module)		
	Working Environment	M60A-E (Intel® BayTrail): Standard configurationDC 12V single power supply (optional 9VDC-36VDC wide voltage module)		

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Ordering Information

Part No.	Model	Specification
0010-162111	M60A-E-01	Fanless PC/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ 4GB memory/ 128G SSD/ serial port*6/ USB3.0*1+ USB2.0*7/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ 12V DC power supply/ 12V power adapter*1
0020-066581	M60A-E-01	Fanless barebone system/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ no memory/ no hard disk/ serial port *6/ USB3.0*1+ USB2.0*7/ Gigabit LAN port *2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ 12V DC power supply/ no power adapter
0010-162121	M60A-E-2P-01	Fanless PC/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ 4GB memory/ 128G SSD/ serial port*10/ USB3.0*1+ USB2.0*7/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ PCI extension*2/ 12V DC power supply/ 12V power adapter*1
0020-066591	M60A-E-2P-01	Fanless barebone system/ Intel®BayTrail chipset/ Celeron J1900 2.0Ghz quad-core processor/ no memory/no hard disk/ serial port *10/ USB3.0*1+ USB2.0*7/ Gigabit LAN port *2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ PCI extension*2/ 12V DC power supply/ no power adapter
0010-162131	M60A-H-01	Fanless PC/ Intel®H110 chipset/ I5-7500T 2.7Ghz quad-core processor/ 4GB memory/ 128G SSD/ serial port*6/ USB3.0*4+USB2.0*4/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ 19V DC power supply/ 19V power adapter*1
0020-066601	M60A-H-01	Fanless barebone system/ Intel® H110 chipset/ no CPU/no memory/ no hard disk/ serial port *6/ USB3.0*4+ USB2.0*4/ Gigabit LAN port *2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ 19V DC power supply/ no power adapter
0010-162141	M60A-H-2P-01	Fanless PC/ Intel®H110 chipset/ I5-7500T 2.7Ghz quad-core processor/ 4GB memory/ 128G SSD/ serial port*10/ USB3.0*4+USB2.0*4/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ PCI*1+PCIE*1 extension/ 19V DC power supply/ 19V power adapter*1
0020-066611	M60A-H-2P-01	Fanless barebone system/ Intel® H110 chipset/ no CPU/ no memory/ no hard disk/ serial port *10/ USB3.0*4+ USB2.0*4/ Gigabit LAN port *2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ PCI*1+PCIE*1 extension/ 19V DC power supply/ no power adapter
0010-162151	M60A-H-21	Fanless PC/ Intel® C236 chipset/ I7-8700 3.2Ghz hexa-core processor/ 4GB memory/ 128G SSD/ serial port*5/ USB3.0*8/ Gigabit LAN port*4/
0020-066621	M60A-H-21	Fanless barebone system/ Intel® C236 chipset/ no CPU/ no memory/ no hard disk/ serial port*5/ USB3.0*8/ Gigabit LAN port*4/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Lineout*1/ MIC*1/ Line-in*1/ 19V DC power supply/ no power adapter
0010-173661	M60A-H-02	Fanless PC/ Intel®H110 chipset/ I5-7500T 2.7Ghz quad-core processor/ 8GB memory/ 128G SSD/ serial port*6/ USB3.0*4+USB2.0*4/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ 19V DC power supply/ 19V power adapter*1
0010-173671	M60A-H-2P-02	Fanless PC/ Intel®H110 chipset/ I5-7500T 2.7Ghz quad-core processor/ 8GB memory/ 128G SSD/ serial port*10/ USB3.0*4+USB2.0*4/ Gigabit LAN port*2/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ PCI*1+PCIE*1 extension/ 19V DC power supply/ 19V power adapter*1
0010-173681	M60A-H-22	Fanless PC/ Intel®C236 chipset/ I7-8700 3.2Ghz hexa-core processor/ 8GB memory/ 128G SSD/ serial port*5/ USB3.0*8/ Gigabit LAN port*4/ VGA*1/ HDMI*1/ DVI*1/ GPIO*1/ Line-out*1/ MIC*1/ Line-in*1/ 19V DC power supply/ 19V power adapter*1

Optional Accessories

Part No.	Model	Specification
1100-004811	Power Adapter	60W 12V adapter accessory kit
1100-007411		150W 19V adapter accessory kit
1067-000341	EF-PWR-070ECS	DC 19V input
1067-000361	EF-PWR-072ECS	DC 12V input
1067-000351	EF-PWR-071ECS	DC9V-36V wide voltage input
1067-000451	M60A	Expansion box kit/ PCI*2/ RS232*4
1067-000461		Expansion box kit/ PCI*1/ PCIEx16*1/ RS232*4
1067-000471		Expansion box kit/ PCI*4 / RS232*4 / LPT*1

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

FREE CHIP
CUSTOMIZATION
FLEXIBLE AND RAPID
DEPLOYMENT



Intel® H110/C236/BayTrail Compact Fanless System

M60A

- Good-looking

Professional and craftsmanship design
Highlight industrial aesthetics
- Free chip customization

Compatible with Intel H110/C236 /BayTrail chip platforms
- Flexible and rapid deployment

Modular kit design
Change required ports rapidly
- Wide voltage input

Optional 9~36VDC input
- Safety and stability

Rigorous Tests
Quality Assurance

M60B

Low-power and High-Performance Fanless Embedded System

M60B series fanless embedded PC is fully sealed by a chassis made of aluminum alloy and sheet metal. It is characterized by small overall dimensions, compact structure, high modularity, fully sealed and fanless design, and its chassis also serves for heat dissipation. It has excellent sealing, dust prevention, heat dissipation and vibration resistance properties. It can be used in harsh environments with heavy pollution, dust and serious electromagnetic interference.

Based on the Intel Q670E and H610E chipsets, the M60B series offers high performance, reliability, and stability. It features multiple 2.5G LAN ports, PCI and PCIe slots, and a compact design with various functions and ports to cater to mid-to-high-end customers. The M60B series can be widely used in fields that require embedded systems such as highway lane control, mechanical inspection, intelligent transportation, and industrial automation.



Product Features



Fully sealed and fanless



Low power consumption and high performance

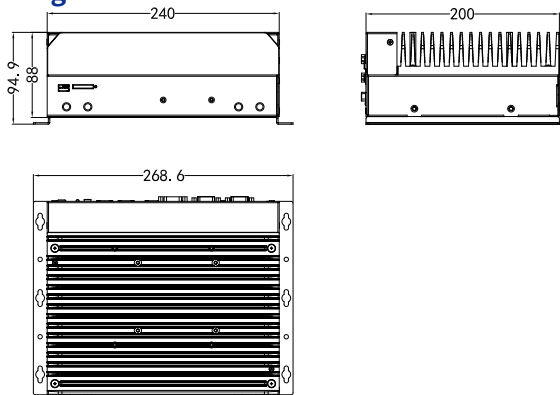


Operating in a wide temperature range



Rich and expandable port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W
	Chipset	Intel® H610E/Q670E
	Memory	Supports 2 x 262Pin DDR5 4800MHz SO-DIMM memory slot, with 1 slot supporting up to 32G and the PC supporting up to 64GB
I/O Port	LAN Port	Basic version:1x Gigabit LAN port, 1x 2.5G LAN port. LAN1 supports network wake-up; the LAN port supports PXE function
		Upgraded version:
		The Intel® H610E Chipset can be optionally configured to add 2x 2.5G LAN port.
	Display	Q670E platform can be optionally configured to add 4 x 2.5G LAN port (optional)
		H610E platform: 2 x HDMI 2.0, 1 x DP1.4 and 1 x eDP port (built-in), supporting simultaneous three displays
	USB	Q670E platform: 2 x HDMI 2.0, 1 x DP1.4 and 1 x eDP port (built-in), supporting simultaneous four displays
		H610E platform: 2 x USB3.2 Gen2, 1 x USB3.2 Gen1 port and 5 x USB2.0 port
Expansion Bus	Motherboard Integration	Q670E platform: 4 x USB3.2 Gen2, and 4 x USB3.2 Gen1 port
		COM
		basic version: 4 serial ports, supporting RS232/422/485 (adjustable)
		Upgraded version: 2 x additional serial port (optional), supporting RS232/422/485 adjustable
		GPIO
		Upgraded version: 1x 16-channel GPIO (with isolation) is optional
		Audio
Storage	Hard Disk	1 group of Audio ports (supporting MIC-IN and LINE-OUT)
		H610E:
Working Environment	Expansion Box	1 x 2242/2280 M.2 Key M (NVME PCIe3.0 X2 signals, expanded storage)
		1 x 3042/3052 M.2 Key B (SATA and USB3.0 signals, expanded 5G and storage)
		1 x Mini PCIe port, built-in SIM card slot (supporting PCIe and USB signals, expanded 4G)
		1 x2230 M.2 KEY E port (expanded WIFI and Bluetooth)
		Q670E:
		1 x 2242/2280 M.2 Key M (NVME PCIe3.0 X4 signals, expanded storage)
		1 x 3042/3052 M.2 Key B (SATA and USB3.0 signals, expanded 5G and storage)
Storage	M.2	1 x Mini PCIe port, built-in SIM card slot (supporting PCIe and USB signals, expanded 4G)
		1 x2230 M.2 KEY E port (expanded WIFI and Bluetooth)
Storage	Hard Disk	Dual expansion card I: 4x RS232 serial ports, 1x PCI/1x PCIe x16 slot
		Remarks: PCI slot supports PCI2.3 standard; the size supported by PCI card is 106.68mm high and 174.63mm long, and that of PCIe card is 106.68mm high and 167.65mm long
Storage	M.2	Supports 2 x 2.5-inch HDD/SSD
		M.2 supports 1x 2242/2280 M.2 Key M (H610E supports NVME PCIe3.0 X2, Q670E supports NVME PCIe3.0 X4)
Working Environment	Storage Environment	0°C~+45°C (HDD, CPU≤65W)
		-20°C~+60°C (SSD, 35W CPU)
		-20°C~+50°C (SSD, 65W CPU)
		-20°C~+60°C (65W CPU with optional fan)
		Note: The air flow rate in the working environment of the PC depends on the specific configuration.
Installation Method	Product Dimensions	-40°C~+85°C; humidity: 5%~95% (non-condensing state)
		Wall-mounted, desktop, VESA standard arm
Power Supply	Operating System	M60B-H:240*200*88mm (without expansion box and mounting bracket)
		M60B-H-2P:240*200*143mm (with 2P expansion box, without mounting bracket)
Operating System	Power Supply	1x 4-pin Phoenix terminal power port, DC 9-36V wide voltage input
		Supports operating systems such as WIN10, WIN11 and LINUX (5.15 kernel)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Ordering Information

Part No.	Product Model	Product Description
0010-196341	M60B-H-01	Intel®H610E chipset/ I3-12100E 4.2Ghz quad-core processor/ 16GB memory/ 256G SSD/ serial port *4/ 2*USB3.2 Gen2+1*USB3.2Gen1+5*USB 2.0/ LAN port *2/ HDMI*2/ DP*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1
0010-196351	M60B-H-02	Intel® H610E chipset/ I5-12500E 4.5Ghz hexa-core processor/ 16GB memory/ 256G SSD/ serial port * 6/ 2*USB3.2 Gen2+1*USB3.2Gen1+5*USB 2.0/ LAN port * 4/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/19V power adapter * 1
0010-196361	M60B-H-03	Intel® H610E chipset/ I7-12700E 4.8Ghz dodeca-core processor/ 16GB memory/ 256G SSD/ serial port * 6/ 2*USB3.2 Gen2+1*USB3.2 Gen1+5*USB 2.0/ LAN port * 4/ HDMI*2/ DP*1/ GPIO*1/Line-out*1/ MIC*1/ 9~36V DC power supply/19V power adapter * 1
0010-196371	M60B-H-2P-02	Intel® H610E chipset/ I5-12500E 4.5Ghz hexa-core processor/ 16GB memory/ 256G SSD/ serial port*10/ 2*USB3.2 Gen2+1*USB3.2 Gen1+5*USB 2.0/ LAN port*4/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/19V power adapter*1/ PCI*1+PCIe*1
0010-196381	M60B-H-11	Intel® Q670E chipset/ I5-13500T 4.6Ghz tetradeca-core processor/ 16GB memory/ 256G SSD/ serial port*6/ 4*USB3.2 Gen2+4*USB3.2 Gen1/ LAN port*6/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1
0010-196391	M60B-H-12	Intel® Q670E chipset/ I9-13900 5.6Ghz tetracosa-core processor/ 16GB memory/ 256G SSD/ serial port*6/ 4*USB3.2 Gen2+4*USB3.2 Gen1/ LAN port*6/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1
0020-068101	M60B-H-01	Intel® H610E chipset/ no CPU/ no memory/ no hard disk/ serial port*4/ 2*USB3.2 Gen2+1*USB3.2 Gen1+5*USB 2.0/ LAN port*2/ HDMI*2/ DP*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1
0020-067901	M60B-H-02	Intel®H610E chipset/ no CPU/ no memory/ no hard disk/ serial port*6/ 2*USB3.2 Gen2+1*USB3.2 Gen1+5*USB 2.0/ LAN port*4/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1
0020-067911	M60B-H-11	Intel® Q670E chipset/ no CPU/ no memory/ no hard disk/ serial port*6/ 4*USB3.2 Gen2+4*USB3.2 Gen1/ LAN port*6/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1
0020-067921	M60B-H-2P-02	Intel® H610E chipset/ no CPU/ no memory/ no hard disk/ serial port *10/ 2*USB3.2 Gen2+1*USB3.2 Gen1+5*USB 2.0/ LAN port *4/ HDMI*2/ DP*1/ GPIO*1/ Line-out*1/ MIC*1/ 9~36V DC power supply/ 19V power adapter*1/ PCI*1+PCIe*1

Optional Accessories

Part No.	Model	Specification
1067-000721	EF-EIO-311ECS	Expansion box kit/ PCI + PCIE expansion module/ RS232 * 4
1500-016101	M60B-H	Fan assembly
1067-000661	EF-EIO-306ECS-4LAN	Front IO board kit/ 2 serial ports (RS232/422/485 optional)/ 4LAN (2.5G), with the motherboard: ECS-1865-Q670E
1067-000731	EF-EIO-306ECS	Front IO board kit/ 2 serial ports (RS232/422/485 optional)/ 2LAN (2.5G), with the motherboard: ECS-1865-H610E

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

INTELLIGENT AND POWERFUL
COMPUTING CAPABILITY
LAUNCH OF NEW PRODUCTS

MGP-800 GPU Computing Platform



High-performance
processor



Abundant
IO ports



Personalized
customization



Aptability to
different scenarios

M80

High-performance Embedded System

M80 is a high-performance embedded platform, with the Intel W480E chipset used for the motherboard, supporting 10/11th generation Xeon Core processors; it has a simple structure with small overall dimensions and excellent performance in heat dissipation and anti-vibration; the complete PC has abundant IO ports and supports WIFI and 4G functions at the same time; IO ports can be expanded through high-speed connectors, and users can customize the port (PCI extension and PCIE extension are supported) to meet different application requirements; the products are mainly used in machine vision, highway lane controllers, AI and edge computing, vehicle-infrastructure cooperation and driving assistance, intelligent manufacturing of non-standard equipment and other application fields.



Product Features



Fully sealed and fanless



Excellent performance in heat dissipation and vibration resistance



Operating in a wide temperature range

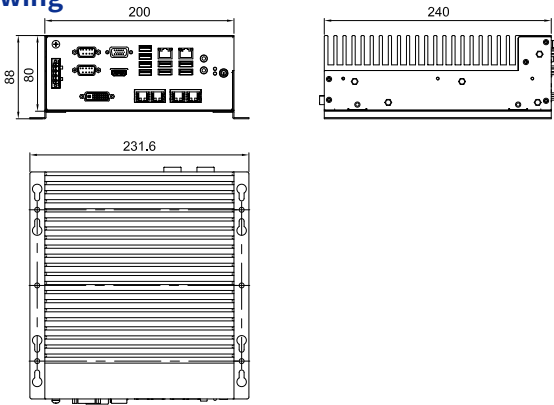


High Performance



4G and WIFI modules expandable

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Intel® Xeon W & 10th /11th Core™ i9/i7/i5/i3, LGA1200 series processors with power consumption not exceeding 65W
	Chipset	Intel® W480E
	Memory	2x 260-Pin DDR4 SO-DIMM slots, maximum 32G for a single slot, and maximum 64G for complete PC
I/O Port	External Ports on the PC	2x RJ45 10/100/1000Mbps LAN port, expandable to 6 LAN ports
		4 x USB3.2 (Gen 2) + 4 x USB3.2 (Gen 1) port
		2 x serial port (RS232/485/422 optional)
	Internal Ports on the Motherboard	1 group of Audio ports (supporting MIC-IN and LINE-OUT)
		1 x VGA, 1 x HDMI display and 1x built-in DVI port
		1x 8-channel GPIO
Expansion Bus	Motherboard Integration	4x built-in 2x5Pin Wafer Pins (RS232 expandable)
		1x built-in USB2.0 (1x5PIN wafer pin. The built-in softdog can be extended by USB cable)
		4x SATA 3.0 (6Gbps), supporting Raid 0/1/5/10
Storage	Hard Disk	1 x TPM port, supporting TPM2.0
		1 x M-SATA slot (for 4G or storage function. The 4G function and storage expansion cannot be used simultaneously)
		1 x internal SIM card slot
		1 x M.2 Key E (WIFI expandable)
	MSATA/M.2	1x 2 × 30Pin high-speed connector, custom expansion port, and external expanded module
Remote Maintenance		The M80 host supports 1x 2.5-inch hard disk bay
Power Supply		The expansion box supports the optional hard disk expansion bracket, and the bracket occupies the expansion slot
Switch Indicator		1-slot expansion box, with the optional expansion bracket to expand 1x 2.5-inch hard disk bay
Environmental Requirements	Working Temperature	2-slot expansion box, with the optional expansion brackets to expand 2x 2.5-inch hard disk bays
		3-slot expansion box, with the optional expansion brackets to expand 2x 2.5-inch hard disk bays
	Storage Temperature	Supports 1x M-SATA slot
Installation Method		Supports AMT function
Product Dimensions		1x 4Pin Phoenix terminal type power connector
Operating System		External AC 220V power adapter or DC 9-36V wide voltage input (optional)
		Power supply and hard disk indicator
		0°C~+45°C (HDD/normal-temperature SSD)
		-20°C~+60°C (wide temperature SSD/electronic hard disk, CPU TDP≤35W)
		-20°C~+50°C (wide temperature SSD/electronic hard disk, 35W<CPU TDP≤65W)
		Note: 1. Ordinary HDD is not recommended for the fanless PC, and the air flow rate of the working environment must be greater than 0.7m/s
		Note: 2. The configuration with a fan can be used in conjunction with HDD
		-40°C~+85°C; humidity: 5%~95% (non-condensing state)
		Wall-mounted, desktop
		80mm (W) × 240mm (D) × 200mm (H)
		M80-1P: 108mm (W) × 240mm (D) × 200mm (H)
		M80-2P: 129mm (W) × 240mm (D) × 200mm (H)
		M80-3P: 154mm (W) × 240mm (D) × 200mm (H)
		Supports LINUX systems with high kernel versions such as WIN10 (64 bit), Server 2019, Ubuntu X64 and CentOS

Ordering Information

Part No.	Description	Specification
0010-169421	M80-01	Fanless computing unit/ Intel® W480E chipset/ I5-10500 3.1Ghz hexa-core processor/ 8G memory/ 128G SSD/ serial port*2/ USB3.2(Gen 2)*4+ USB3.2(Gen 1)*4/ Gigabit LAN port*2/ VGA *1/ HDMI *1 / Line-out*1/ MIC*1/ 9-36V DC power supply/ 19V adapter*1
0020-066141	M80-01	Fanless barebone system/Intel® W480E chipset/no CPU/no memory/no hard disk/serial port*2/USB3.2(Gen 2)*4+USB3.2(Gen 1)*4/Gigabit LAN port*2/VGA *1/HDMI *1 /Line-out*1/MIC*1/9-36V DC power supply/no adapter
0010-171991	M80-1P-01	Expandable computing unit/ Intel® W480E chipset/ I3-10100 3.6Ghz quad-core processor/ 8G memory/ 128G SSD/ serial port*4/USB3.2(Gen 2)*4+USB3.2(Gen 1)*4/ Gigabit LAN port*2/ VGA *1/ HDMI *1 / Line-out*1/ MIC*1/ PCIe16*1/ 9-36V DC power supply/ 19V adapter*1
0010-172001	M80-2P-01	Expandable computing unit/ Intel® W480E chipset/ I5-10500 3.1Ghz hexa-core processor/ 8G memory/ 128G SSD/ serial port*4/ USB3.2(Gen 2)*4+ USB3.2(Gen 1)*4/ Gigabit LAN port*4/ VGA *1/ HDMI *1 / Line-out*1/ MIC*1/ PCIe16*1/ PCI*1/ 9-36V DC power supply/ 19V adapter*1
0010-172011	M80-2P-02	Expandable computing unit/ Intel® W480E chipset/ I5-11500 2.7Ghz hexa-core processor/ 8G memory/ 128G SSD/ serial port*4/ USB3.2(Gen 2)*4+USB3.2(Gen 1)*4/ Gigabit LAN port*2/ VGA *1/ HDMI *1 / Line-out*1/ MIC*1/ PCIe16*1/ PCIe4*1/ 9-36V DC power supply/ 19V adapter*1
0010-172021	M80-3P-01	Expandable computing unit/ Intel® W480E chipset/ I7-11700 2.5Ghz eight-core processor/ 8G memory/ 128G SSD/ serial port*4/ USB3.2(Gen 2)*4+ USB3.2(Gen 1)*4/ Gigabit LAN port*6/ VGA *1/ HDMI *1 / Line-out*1/ MIC*1/ PCIe16*1/ PCI*2/ 9-36V DC power supply/ 19V adapter*1

Optional Accessories

Part No.	Model	Specification
1060-010851	EF-4LAN-004	Customized high-speed connector expansion card, 4 x Gigabit LAN port, intel 1225LM chip
1060-010861	EF-4LAN-004-2LAN	Customized high-speed connector expansion card, 2x Gigabit LAN port, Intel 1225LM chip
1060-010131	EF-HDD-025ECS	Customized high-speed connector expansion card, 1 x M.2KEYM port, supporting PCIeSSD
1467-028581	Hard Disk Bracket	2.5-inch single hard disk bracket, occupying 1 expansion slot
1467-028591		2.5-inch double hard disk bracket, occupying 2 expansion slots

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

MGP-800

Embedded GPU Computing Platform

MGP-800 is an embedded GPU computing platform. It consists of fanless PC + GPU expansion box; flexible expansion, supporting 2 HHL GPU cards, using Intel W480E chipsets, supporting the 10/11th generation Xeon Core processor; abundant IO ports can be expanded through high-speed connectors, and users can customize the port (such as optional expansion of multiple POE ports) to meet different application requirements. It is mainly used in machine vision, deep learning, AI and edge computing, vehicle-infrastructure cooperation, driving assistance and other application fields.



Product Features

AI

Meets the application needs of machine vision, deep learning, AI and edge computing, vehicle-infrastructure cooperation and driving assistance

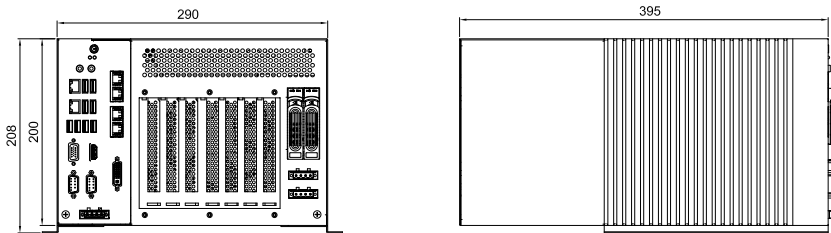
WIFI

Multi-source data integration, supporting 4G and WIFI communication

Professional power supply scheme

Expandable to 2x HHL GPU card, with strong AI computing capability

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports the 10/11th-generation Xeon/Core series processors Processors with power consumption not exceeding 80W
	Chipset	Intel® W480E
	Memory	2 × 260-Pin DDR4 SO-DIMM, supporting up to 64G
I/O Port	External Ports on the PC	2 × RJ45 4 × USB3.2(GEN2), 4 × USB3.2(GEN1) 2 × serial port, RS-232/422/485 (adjustable), 4 × built-in RS-232 (optional) 1 group of audio ports (1 × line out, 1 × mic in) VGA, HDMI (1x DVI port is optional for the expansion of the built-in version)
		1x 8-channel GPIO
	Internal Ports on the Motherboard	1 × USB2.0 (1 × 5 Pin wafer socket, with the built-in softdog expandable through USB cable) 4 × SATA3.0 (6Gbps), supporting RAID 0/1/5/10 1 × TPM port, supporting TPM2.0
Expansion Bus		1 × MiniPCIe port (SATA signal), expandable 4G module or MSATA storage 1 × SIM card slot 1 × M.2 Key E (expanded WIFI module) 1 × 2 × 30Pin high-speed connector, custom expansion port
GPU Expansion Card		MGP-800-01: 2 × PCIe × 16 (PCIe × 8 signals), 2 × PCIe × 4 MGP-800-02: 1 ↑ PCIe × 16, 2 ↑ PCIe × 4 Length of expansion card ≤ 331mm Supports mainstream GPU expansion cards on the market, up to three fan GPU cards When a single GPU card is used for expansion, the thickness of the expansion card is ≤ 62.96mm When dual GPU cards are used for expansion, it is recommended that the gap between two expansion cards be ≥ 5mm
Storage		Supports up to 4 × 2.5-inch SATA 3.0 hard disk 1 × 2.5-inch hard disk bay, built in the fanless complete PC Expansion box: supports 2 × 2.5-inch hard disk pull-out bay (supporting hot swap) Expansion box: supports 1 × internal 2.5-inch hard disk bay (optional) Supports 1x M-SATA slot (for either 4G or storage function. The 4G function and storage expansion cannot be used simultaneously)
Remote Maintenance		Supports AMT function
Power Supply		External AC 220V power adapter 480W or 1000W power supply (optional)
Switch Indicator		1x power switch, 1x phoenix terminal Indicator: Power hard disk indicator
Environmental Requirements	Working Temperature	GPU CPU HDD & normal-temperature SSD Wide temperature SSD Wide temperature SSD Wide temperature SSD Wide temperature SSD 1 × 250W Power consumption 1 × 350W Power consumption 2 × 250W Power consumption 35W 65W 80W 0°C ~ 45°C -20°C ~ 60°C -20°C ~ 60°C -20°C ~ 60°C -20°C ~ 60°C -20°C ~ 40°C -20°C ~ 40°C 95% @ 40°C (non-condensing state) When a GPU card is onboard, the working temperature range of the GPU graphics card shall be comprehensively considered.
		Storage Temperature -40°C ~ 85°C; 95% @ 40°C (non-condensing state)
	Product Dimensions	Dimensions of dual GPU expanded complete PC: 290mm (width) × 200mm (height) × 395mm (depth) Dimensions of single GPU expanded complete PC: 229mm (width) × 200mm (height) × 395mm (depth)
Operating System		LINUX systems with high kernel versions such as WIN10, Server 2019, CentOS, Linux and Ubuntu

Ordering Information

Part No.	Model	Description
0020-066171	MGP-800-01 Barebone System	Embedded GPU computing platform/ Intel®W480E chipset/ 2x Gigabit LAN port/ VGA+HDMI/4 × USB3.2(GEN2), 4 × USB3.2(GEN1) /2*COM, supporting 0020-066181 MGP-800-02 RS-232/422/485 (adjustable)/ 1 group of audio ports/ 2x PCIe × 16 (PCIe × 8 signals)/ 2x PCIe × 4
0020-066181	MGP-800-02 Barebone System	Embedded GPU computing platform/ Intel® W480E chipset/ 2 × Gigabit LAN port / VGA+HDMI/4 × USB3.2(GEN2), 4 × USB3.2(GEN1)/ 2*COM, supporting RS-232/422/485 (adjustable)/ 1 group of audio ports/ 1x PCIe × 16/ 2x PCIe × 4
0010-161251	MGP-800-01	Embedded GPU computing platform/ Intel®W480E chipset/ i9-11900 eight-core processor/ 2*16G memory/ 256G SSD/ 2x Gigabit LAN port/ VGA+HDMI/ 4 × USB3.2(GEN2), 4 × USB3.2(GEN1) / 2*DB9, supporting RS-232/422/485 (adjustable)/ 1 group of audio ports/ 2x PCIe × 16 (PCIe × 8 signals)/ 2x PCIe × 4
0010-161261	MGP-800-02	Embedded GPU computing platform/ Intel®W480E chipset/ i7-11700 eight-core processor/ 2*16G memory/ 256G SSD/ 2x Gigabit LAN port/ VGA+HDMI/ 4 × USB3.2(GEN2), 4 × USB3.2(GEN1)/ 2*COM, supporting RS-232/422/485 (adjustable)/ 1 group of audio ports/ 1x PCIe × 16/ 2x PCIe × 4

Optional Accessories

Part No.	Model	Description
1060-010141	EF-4LAN-004POE	High-speed connector expansion card, Intel 1225LM chip, POE function, 4-port Gigabit Ethernet card
1060-010851	EF-4LAN-004	High-speed connector expansion card, Intel 1225LM chip, 4-port Gigabit Ethernet card
1060-010861	EF-4LAN-004-2LAN	High-speed connector expansion card, Intel 1225LM chip, 2-port Gigabit Ethernet card
1060-010131	EF-HDD-025ECS	High-speed connector expansion card, 1 M.2KEYM port, supporting PCIE SSD
1500-008561	Optional kit of 1000W power supply components	1000W power supply assembly/one end is connected to national standard AC power lines, and the other end is connected to 3 groups of power lines to filter board assembly with phoenix terminal
1500-008581	Optional kit of 480W power supply components	480W power supply assembly/ one end is connected to 2 sets of power lines with phoenix terminals, and the other end is connected to national standard AC power lines

M90

High-performance Fanless Embedded System

M90 is a fanless high-performance embedded PC. The motherboard adopts IntelQ370 chipset, with Intel® Core™ I5-9500TE 2.20 GHz six-core processor as standard configuration, supporting the 9th Gen Core series low power consumption processor, with two onboard 260-pinDDR4 SODIMM expansion slots and dual-channel DDR4 2400 MHz (up to 32GB). The motherboard is externally connected with VGA/DP/HDMI display port, and equipped with a built-in EDP display slot, supporting three-display, a minimum resolution of 640×480@60Hz and a maximum resolution of 4096×2160. It is mainly used in artificial intelligence and edge computing, such as intelligent patrol inspection, industrial control and inspection, environmental monitoring and control, behavior analysis, machine vision, driving assistance and other applications.



Product Features



Fully sealed and fanless



AI acceleration operation module



Supports 5G and M.2 storage

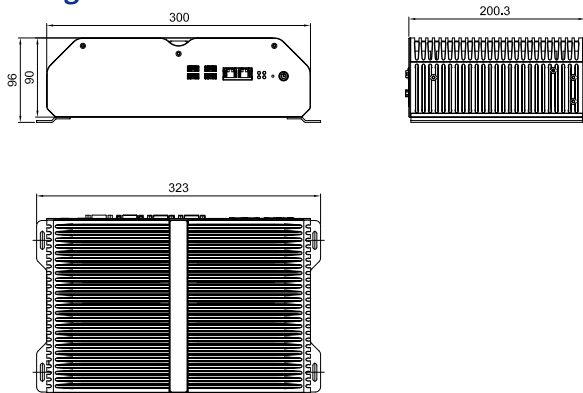


Supports 8x USB3.0



Wide voltage: 9~36V

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description			
System Configuration	Processor	Supports Intel® 8/9th-generation Core processors			
	Chipset	Intel® Q370			
	Memory	2 x 260 Pin DDR4 SO-DIMM slot, with 1 slot supporting up to 32G and the PC supporting up to 64G			
	AI Accelerator Card	Supports 4-8 TOPS computing capability (optional module, Linux system)			
I/O Port	Front Panel	2x RJ45 10/100/1000Mbps LAN ports			
		4 x USB3.0 port			
	Rear Panel	4 x USB3.0 port			
		4x RJ45 10/100/1000Mbps LAN port			
		6x DB9 serial port (RS232/485/422 optional)			
		1x VGA port			
		1x HDMI port			
		1x DP port			
		1 group of Audio ports (supporting MIC-IN and LINE-OUT)			
		1x 8-channel GPIO port			
1 x 6Pin Phoenix terminal power port					
Expansion Bus	Motherboard Integration	1 x M.2 Key E port (WIFI expandable)			
		1 x M.2 Key B port (USB 3.0 and SATA signals, 5G or storage expandable)			
		2 x M.2 Key M port (PCIE X4 signal, memory/AI card expandable)			
		1 x internal SIM card slot			
		1 x PCIE3.0×8 slot (an expansion card can be provided)			
Storage	Hard Disk	Supports 2x 2.5-inch SATA 3.0 hard disk			
	MSATA/M.2	Supports 1 x M.2 Key B port			
		Supports 1 x M.2 Key M port			
Special functions		Supports level 255 watchdog			
		Supports AMT remote maintenance			
		Supports safety TPM function			
Power Supply		1x 6Pin Phoenix terminal type power port, with remote startup/shutdown			
		DC 9-36V wide voltage input			
		External AC 220V power adapter for power supply or DC 9-36V direct input for complete PC			
Switch Indicator		Power supply and hard disk indicator			
Environmental Requirements	Working Temperature	CPU power consumption		With hard disk drive (HDD)	With the solid state/electronic hard disk
		CPU TDP=35W		0°C~+40°C	-20°C~+60°C
		35W<CPU TDP≤65W		0°C~+40°C	-20°C~+50°C
	Storage Temperature	Note: The air flow rate in the working environment of the PC depends on the specific configuration.			
-40°C~+70°C; humidity: 5%~95% (non-condensing state)					
Installation Method		Wall-mounted, desktop			
Product Dimensions		300mm (W) × 200.4mm (D) × 90mm (H) (excluding mounting bracket)			
Operating System		Supports WIN10 (64bit), Linux, CentOS and other operating systems			

Ordering Information

Part No.	Model	Specification
0010-151661	M90-03	Edge computing unit/Intel® Q370 chipset/I5-9500TE 2.2Ghz six-core processor/8GB memory/128G SSD/serial port*6/USB3.0*8/Gigabit LAN port*6/VGA*1/HDMI*1/DP*1/Line-out*1/MIC*1/8-channel GPIO*1/4~8 TOPS computing power accelerator cards/9~36V DC power supply/power adapter*1
0010-151671	M90-04	Edge computing unit/Intel® Q370 chipset/I5-9500TE 2.2Ghz six-core processor/8GB memory/128G SSD/serial port*6/USB3.0*8/Gigabit LAN port*6/VGA*1/HDMI*1/DP*1/Line-out*1/MIC*1/8-channel GPIO*1/9~36V DC power supply/power adapter*1

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

ULTRA-HIGH PERFORMANCE WITH AMAZINGLY COMPACT DIMENSIONS

INFINITE POSSIBILITIES WITH FLEXIBILITY



Intel® W480E Platform Compact Fanless System

M80

High Performance

Equipped with Intel W480E Platform
Supports Intel Core 10/11th Gen CPU

Multiple Ports

Supports 8 x USB3.2
6 x serial port and 6 x LAN port

Flexible Expansion

Supports POE LAN port, M.2
MSATA, TPM and other expansions

Wide voltage input

Supports 9~36V
DC input

Safety and stability

Rigorous Tests
Quality Assurance

STRONG COMPUTING POWER

ULTRA-LARGE STORAGE



Intel® Q370 Platform Compact Fanless System

M90

High Performance

Equipped with Intel Q370 Platform
Supports Intel Core 9th Gen CPU

Multiple Ports

Supports 8 x USB3.2
6 x serial port and 6 x LAN

Flexible Expansion

Supports M.2, PCIe3.0,
TPM and other expansions

AI Acceleration

Compatible with AI
accelerator card

Remote Maintenance

Supports AMT and LAN
wake-up function

Intelligent HMI Terminal Model Selection Table

Model		W15E	W18A
Product Picture			
Display Performance	Display Size	15.6" TFT LCD 16:9 wide-screen	19" TFT LCD 16:10 wide-screen
	Maximum Resolution	1920x1080	1440x900
	Brightness	≥250cd/m2 (bare screen)	≥250cd/m2 (bare screen)
	Contrast Ratio	800:1	1000:1
Touch Screen		Capacitive touch screen, multi-touch	Capacitive touch screen, multi-touch
System Configuration	Processor	Intel® Celeron J1900; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236 : supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W; H310/Q370 : supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E : supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W	Intel® Celeron J1900; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236 : supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W; H310/Q370 : supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E : supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W
	Chipset	Intel® BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E	Intel® BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E
	Memory	BayTrail : supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U : supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370 : supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E : supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB	BayTrail : supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U : supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370 : supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E : supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB
I/O Port	LAN Port	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional); H610E/Q670E : Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional); H610E/Q670E : Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	4~8 x USB port (depending on the specific configuration)	4~8 x USB port (depending on the specific configuration)
	COM	2~6 x serial port (depending on the specific configuration)	2~6 x serial port (depending on the specific configuration)
	Audio	1 group of Audio ports (depending on the specific configuration)	1 group of Audio ports (depending on the specific configuration)
	GPIO	According to the specific configuration	According to the specific configuration
	Others	1 x 4Pin Phoenix terminal power port	1 x 4Pin Phoenix terminal power port
	Expansion Slot	Expansion slots depend on the specific configuration	Expansion slots depend on the specific configuration
Memory	Hard Disk	Supports 1~2 x 2.5-inch hard disks (depending on the specific configuration)	Supports 12x 2.5-inch hard disks (depending on the specific configuration)
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check details.	Processors with different power consumption work in different environments. Please refer to the user manual to check details.
Storage Environment		Storage Temperature: -20°C~+60°C; Storage Humidity: 5%~95% (non-condensing state)	Storage Temperature: -20°C~+60°C; Storage Humidity: 5%~95% (non-condensing state)
Installation Method		Embedded, VESA standard mount;	Embedded, VESA standard mount
Product Dimensions		407mm (W) x259.3mm (H)	480mm (W) x330mm (H)
Mounting Hole Dimensions		384mm (W) x236mm (H)	469mm (W) x319mm (H)
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration	BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Intelligent HMI Terminal Model Selection Table

型号		W21B	P12B
Product Picture			
Display Performance	Display Size	21.5" TFT LCD 16:9 wide-screen	12.1" TFT LCD 4:3 square screen
	Maximum Resolution	1920×1080	1024×768
	Brightness	≥250cd/m2 (bare screen)	≥400cd/m2 (bare screen)
	Contrast Ratio	1000:1	900:1
Touch Screen		Resistive/capacitive touch screen optional	Resistive/capacitive touch screen optional
System Configuration	Processor	Intel® Celeron J1900; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236 : supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W; H310/Q370 : supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E : supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W	Intel® Celeron J1900; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236 : supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W; H310/Q370 : supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E : supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W
	Chipset	Intel® BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E	Intel® BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E
	Memory	BayTrail : supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U : supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370 : supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E : supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB	BayTrail : supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U : supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370 : supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E : supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB
I/O Port	LAN Port	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional); H610E/Q670E : Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional); H610E/Q670E : Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E : supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E : supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	4~8 x USB port (depending on the specific configuration)	4~8 x USB port (depending on the specific configuration)
	COM	2~6 x serial port (depending on the specific configuration)	2~6 x serial port (depending on the specific configuration)
	Audio	1 group of Audio ports (depending on the specific configuration)	1 group of Audio ports (depending on the specific configuration)
	GPIO	According to the specific configuration	According to the specific configuration
	Others	1 x 4Pin Phoenix terminal power port	1 x 4Pin Phoenix terminal power port
	Expansion Slot	Expansion slots depend on the specific configuration	Expansion slots depend on the specific configuration
Memory	Hard Disk	Supports 1~2 x 2.5-inch hard disks (depending on the specific configuration)	Supports 1~2 x 2.5-inch hard disks (depending on the specific configuration)
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check details.	Processors with different power consumption work in different environments. Please refer to the user manual to check details.
Storage Environment		Storage Temperature: -20°C~+60°C; Storage Humidity: 5%~95% (non-condensing state)	Storage Temperature: -20°C~+60°C; Storage Humidity: 5%~95% (non-condensing state)
Installation Method		Embedded, VESA standard mount	Embedded, VESA standard mount
Product Dimensions		480mm (W) x330mm (H)	321mm (W) x260mm (H)
Mounting Hole Dimensions		535mm (W) x328mm (H)	304mm (W) x236mm (H)
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration	BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Intelligent HMI Terminal Model Selection Table

Model		P15B	P17B
Product Picture			
Display Performance	Display Size	15" TFT LCD 4:3 square screen	17" TFT LCD 5:4 square screen
	Maximum Resolution	1024x768	1280×1024
	Brightness	≥300cd/m2 (bare screen)	≥250cd/m2 (bare screen)
	Contrast Ratio	600:1	1000:1
Touch Screen		Resistive/capacitive touch screen optional	Resistive/capacitive touch screen optional
System Configuration	Processor	Intel® Celeron J1900;SkyLake-U: Onboard Intel® I3-6100U/i5-6300U/i7-6600U processor;H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W;H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W;H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W	Intel® Celeron J1900;SkyLake-U: Onboard Intel® I3-6100U/i5-6300U/i7-6600U processor;H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W;H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W;H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W
	Chipset	Intel®BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E	Intel®BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB;SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB;H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB;H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB;SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB;H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB;H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB
I/O Port	LAN Port	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional); H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional); H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports;H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports;H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	4~8 x USB port (depending on the specific configuration)	4~8 x USB port (depending on the specific configuration)
	COM	2~6 x serial port (depending on the specific configuration)	2~6 x serial port (depending on the specific configuration)
	Audio	1 group of Audio ports (depending on the specific configuration)	1 group of Audio ports (depending on the specific configuration)
	GPIO	According to the specific configuration	According to the specific configuration
	Others	1 x 4Pin Phoenix terminal power port	1 x 4Pin Phoenix terminal power port
	Expansion Slot	Expansion slots depend on the specific configuration	Expansion slots depend on the specific configuration
Memory	Hard Disk	Supports 1~2 x 2.5-inch hard disks (depending on the specific configuration)	Supports 1~2 x 2.5-inch hard disks (depending on the specific configuration)
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot;H110/C236: 1x M-SATA slot, 1x M.2 keyM slot;H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;	BayTrail/SkyLake-U: 1x M-SATA slot;H110/C236: 1x M-SATA slot, 1x M.2 keyM slot;H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check details.	Processors with different power consumption work in different environments. Please refer to the user manual to check details.
Storage Environment		Storage Temperature: -20°C~+60°C;Storage Humidity: 5%-95% (non-condensing state)	Storage Temperature: -20°C~+60°C;Storage Humidity: 5%-95% (non-condensing state)
Installation Method		Embedded, VESA standard mount	Embedded, VESA standard mount
Product Dimensions		381mm (W) x305mm(H)	415mm (W) x347mm(H)
Mounting Hole Dimensions		365mm (W) x283mm(H)	398mm (W) x325mm(H)
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration	BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Intelligent HMI Terminal Model Selection Table

Model		P19B	Model	D12B	
Product Picture			Product Picture		
Display Performance	Display Size	19" TFT LCD 5:4 square screen	Characteristics of LCD screen	Display Size	12.1" 4:3 square screen
	Maximum Resolution	1280×1024		Maximum Resolution	1024×768
	Brightness	≥250cd/m2 (bare screen)		Brightness	≥400cd/m2 (bare screen)
	ContrastRatio	1000:1		Contrast Ratio	900:1
Touch Screen		Resistive/capacitive touch screen optional			
System Configuration	Processor	Intel® Celeron J1900;SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor;H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65 W;H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W;H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W	Touch Controls		Capacitive screen, full plane, 10-point touch control Resistive screen, 5-wire resistive screen, single touch
	Chipset	Intel®BayTrail/SkyLake-U/H110/C236/H310/Q370/H610E/Q670E	Display Function		Supports VGA, DP and HDMI standard port input
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB;H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB;H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB	External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port
I/O Port	LAN Port	BayTrail/SkyLake-U/H110/C236/H310/Q370 supports 2/4/6 gigabit electrical ports (optional);H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports	OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset,and automatic correction and other functions
	Display	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports;H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display	Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0gShock: 15g acceleration, 11ms duration
	USB	4~8 x USB port (depending on the specific configuration)	Reliability		Mean time between failures (MTBF) ≥ 50000h; mean time to repair (MTTR) ≤ 0.5h
	COM	2~6 x serial port (depending on the specific configuration)	Safety		GB 4943.1-2022
	Audio	1 group of Audio ports (depending on the specific configuration)	EMC		
	GPIO	According to the specific configuration			
	Others	1 x 4Pin Phoenix terminal power port			
	Expansion Slot	Expansion slots depend on the specific configuration			
	Memory	Hard Disk	Supports 1~2 x 2.5-inch hard disks (depending on the specific configuration)	Working Environment	
M-SATA/ M.2		BayTrail/SkyLake-U: 1x M-SATA slot;H110/C236: 1x M-SATA slot, 1x M.2 keyM slot;H310: 1x M.2 keyB slot;Q370/H610E/Q670E: 1x M.2 keyM slot;			
Working Environment		Processors with different power consumption work in different environments. Please refer to the user manual to check details.	Storage Environment		-20°C ~ 65°C; humidity: 5% ~ 95% (non-condensing state)
Storage Environment		Storage Temperature: -20°C~+60°C; Storage Humidity: 5%~95% (non-condensing state)	Installation Method		Panel embedded, wall-mounted, VESA, etc.
Installation Method		Embedded, VESA standard mount	Product Dimensions		321mm (W) × 260mm (H) × 61.5mm (D)
Product Dimensions		455mm (W) x380mm(H)	Weight		About 3.70Kg (excluding the weight of package and accessories)
Mounting Hole Dimensions		439mm (W) x358mm(H)	Power Supply		Input voltage/frequency: 220VAC/50Hz (with adapter)Input voltage: 12VDC (without adapter, direct input to the complete PC)
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration	Protection Grade		The front panel supports IP65

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Intelligent HMI Terminal Model Selection Table

Model		D15B	D17B
Product Picture			
Characteristics of LCD screen	Display Size	15" 4:3 square screen	17" 5:4 square screen
	Maximum Resolution	1024×768	1280×1024
	Brightness	≥300cd/m2 (bare screen)	≥250cd/m2 (bare screen)
	Contrast Ratio	600:1	1000:1
Touch Controls		Capacitive screen, full plane, 10-point touch control	Capacitive screen, full plane, 10-point touch control
		Resistive screen, 5-wire resistive screen, single touch	Resistive screen, 5-wire resistive screen, single touch
Display Function		Supports VGA, DP and HDMI standard port input	Supports VGA, DP and HDMI standard port input
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port	1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions	Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions
Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration	Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h	Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h
Safety		GB 4943.1-2022	GB 4943.1-2022
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)	GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)
Working Environment		-10℃~+60℃	-10℃~+60℃
Storage Environment		-20℃ ~ 65℃; humidity: 5% ~ 95% (non-condensing state)	-20℃ ~ 65℃; humidity: 5% ~ 95% (non-condensing state)
Installation Method		Panel embedded, wall-mounted, VESA, etc.	Panel embedded, wall-mounted, VESA, etc.
Product Dimensions		381.4mm (W) × 305.4mm (H) × 61.5mm (D)	414.9mm (W) × 347.4mm (H) × 61.5mm (D)
Weight		About 4.90Kg (excluding the weight of package and accessories)	About 5.90Kg (excluding the weight of the package and accessories)
Power Supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the PC)	Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the PC)
Protection Grade		The front panel supports IP65	The front panel supports IP65

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Intelligent HMI Terminal Model Selection Table

Model		D19B	D21B
Product Picture			
Characteristics of LCD screen	Display Size	19" 5:4 square screen	21.5" 16:9 wide-screen
	Maximum Resolution	1280×1024	1920×1080
	Brightness	≥250cd/m2 (bare screen)	≥250cd/m2 (bare screen)
	Contrast Ratio	1000:1	1000:1
Touch Controls		Capacitive screen, full plane, 10-point touch control	Capacitive screen, full plane, 10-point touch control
		Resistive screen, 5-wire resistive screen, single touch	Resistive screen, 5-wire resistive screen, single touch
Display Function		Supports VGA, DP and HDMI standard port input	Supports VGA, DP and HDMI standard port input
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port	1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions	Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions
Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration	Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h	Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h
Safety		GB 4943.1-2022	GB 4943.1-2022
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)	GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)
Working Environment		0℃~+50℃	0℃~+50℃
Storage Environment		-20℃ ~ 65℃; humidity: 5% ~ 95% (non-condensing state)	-20℃ ~ 65℃; humidity: 5% ~ 95% (non-condensing state)
Installation Method		Panel embedded, wall-mounted, VESA, etc.	Panel embedded, wall-mounted, VESA, etc.
Product Dimensions		455.2mm (W) × 380mm (H) × 61.5 mm (D)	551.5mm (W) × 350mm (H) × 61.5mm (D)
Weight		About 6.75Kg (excluding the weight of the package and accessories)	About 7.10Kg (excluding the weight of package and accessories)
Power Supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the PC)	Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the PC)
Protection Grade		The front panel supports IP65	The front panel supports IP65

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

W15E

15.6" Wide-screen Industrial Panel PC

W15E is a 15.6" wide-screen industrial Panel PC that supports multi-touch and integrates high reliability and industrial aesthetics. It interprets the exquisite texture and technological fashion elements of industrial computers in industrial design, leading the intelligent upgrading of the industry. It supports a variety of platforms and mainstream operating systems such as Windows 7 (64bit), Windows 10, LINUX (2.6 kernel).

This series is oriented to high-end MES, integrated monitoring, automation and other fields. It is mainly used for production line MES, integrated monitoring (rail transit, building, power, etc.), medical informatization, monocrystalline furnace, wind power and other harsh industrial field control applications.



Product Features



Protection Grade: IP65



Stable and reliable wireless design



Supports multiple platforms



Multiple installation methods

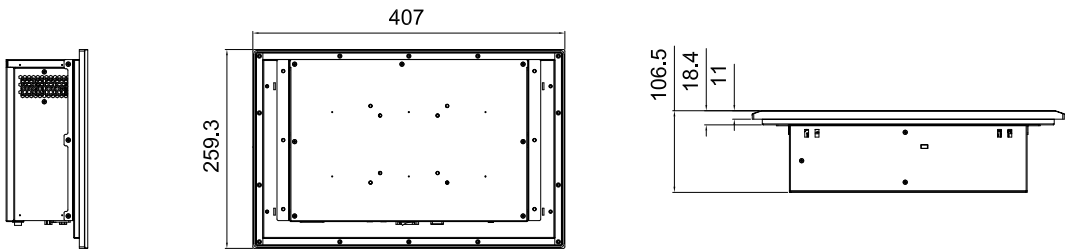


Supports quick customization of I/O port



Industrial-grade touch screen

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Display Performance	Screen Size	15.6" TFT LCD 16:9 wide-screen	Brightness	≥250cd/m2 (bare screen)
	Maximum Resolution	1920x1080	Contrast Ratio	800:1
Touch Screen		Capacitive touch screen, multi-touch		
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W		
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB		
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN port (optional); H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports		
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display		
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port		
	COM	2~6x serial ports (depending on the specific platform and configuration)		
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT); H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN); H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)		
	Bus Expansion Slot	Expansion slots depend on the specific configuration		
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface; H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;		
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;		
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;		
Storage Environment		-20°C~+60°C; Humidity: 5%~95% (non-condensing state)		
Product Dimensions		407mm (W) x 259mm (H) (depth dimension depends on the specific configuration)		
Mounting Hole Dimensions		384mm (W) x236mm(H)		
IP Grade		The aluminum alloy front panel meets the protection grade of IP65		
Installation Method		Supports embedded, VESA standard mount, etc.		
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration; SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration		

Ordering Information

Part No.	Model	Description
0010-171321	W15E-03	15.6" panel PC/ECS-1854/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB3.0*1+USB2.0*5USB ports*/gigabit LAN port*2/VGA*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/60W power adapter/capacitive touch screen
0010-171331	W15E-04	15.6" panel PC/ECS-1858/Skylake-U/I3-6100U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB2.0*2+USB3.0*2/gigabit LAN port*2/VGA*1/HDMI*1/Line-out*1/MIC*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-171341	W15E-05	15.6" panel PC/ECS-1855-01/H110 chipset/I5-7500T 2.7Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/19V DC power supply/150W power adapter*1/capacitive touch screen
0010-175511	W15E-06	15.6" panel PC/ECS-1855-01/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/1T HDD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/19V DC power supply/150W power adapter*1/capacitive touch screen
0020-066891	W15E-07	15.6" panel barebone system/ECS-1855-01/H110 chipset/no processor/no memory/no hard disk/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/19V DC power supply/no power adapter/capacitive touch screen
0020-066991	W15E-08	15.6" panel barebone system/EC7-1824/H110 chipset/no processor/no memory/no hard disk/serial port*2/USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/VGA*1/8-bit GPIO*1/Line-out*1/MIC*1/200W ATX power supply/capacitive touch screen
0010-178261	W15E-09	15.6" panel PC/EC7-1824/H110 chipset/I5-7500T 2.7Ghz 4C processor/8G memory/1T HDD/serial port*2/USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/VGA*1/8-bit GPIO*1/Line-out*1/MIC*1/200W ATX power supply/capacitive touch screen
0010-178271	W15E-10	15.6" panel PC/EC7-1824/H110 chipset/I5-8500T 2.7Ghz 4C processor/8G memory/1T HDD/serial port*2/USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/VGA*1/8-bit GPIO*1/Line-out*1/MIC*1/200W ATX power supply/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

W18A

19" Wide-screen Industrial Panel PC

W18 series is a 19" wide-screen industrial Panel PC with multi-touch. It effectively integrates high reliability and industrial aesthetics, interpreting the exquisite texture and technological fashion elements of industrial computers in industrial design, leading the intelligent upgrading of the industry. It supports a variety of platforms, such as Intel H110/H310/Q370/C236, IntelSkylake-U SOC and Intel Bay Trail, and supports operating systems such as Windows 7 (64bit), Windows10 and LINUX (2.6 kernel).

This series is oriented to high-end MES, integrated monitoring, automation and other fields. It is mainly used for production line MES, integrated monitoring (rail transit, building, power, etc.), medical informatization, monocrystalline furnace, wind power and other harsh industrial field control applications.



Product Features



Fully sealed and fanless



Industrial-grade touch screen



Protection Grade: IP65



Multiple installation methods

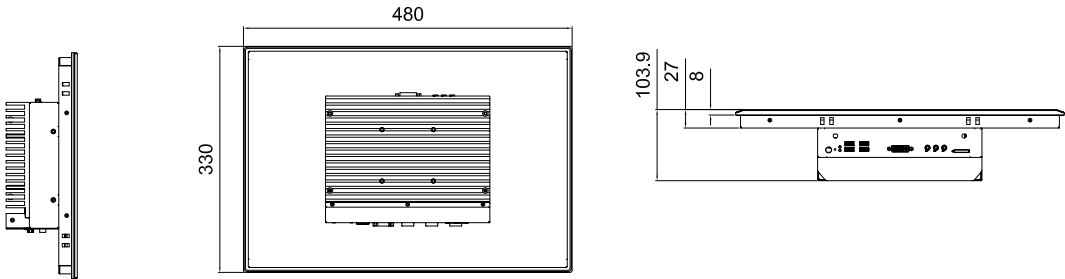


Supports quick customization of I/O port



Supports multiple platforms

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Display Performance	Screen Size	19" TFT LCD 16:10 wide-screen
	Maximum Resolution	1440x900
	Brightness	≥250cd/m2 (bare screen)
	Contrast Ratio	1000:1
Touch Screen		Capacitive screen, full plane, 10-point touch control
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN ports (optional) H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port
	COM	2~6 x serial port (depending on the specific platform and configuration)
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT); H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN); H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)
	Bus Expansion Slot	Expansion slots depend on the specific configuration
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface; H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;
Storage Environment		-20°C~+60°C; Humidity: 5%~95% (non-condensing state)
Product Dimensions		480mm (W) x 330mm (H) (depth dimension depends on the specific configuration)
Mounting Hole Dimensions		469mm (W) x319mm(H)
IP Grade		The aluminum alloy front panel meets the Protection Grade of IP65
Installation Method		Supports embedded, VESA standard mount, etc.
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power port, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Ordering Information

Part No.	Model	Description
0010-154821	W18A-01	19" panel PC/Intel®BayTrail chipset/Celeron J1900 2.0Ghz quad-core processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/9~30V DC power supply/power adapter/aluminum alloy front panel/capacitive touch screen
0010-154831	W18A-31	19" panel PC/Intel®Skylake SOC chipset/I3-6100U 2.3Ghz dual-core processor/4GB memory/128G SSD/serial port*2/USB port*6/gigabit LAN port*4/VGA*1/HDMI*1/PS/2*1/Line-out*1/Mic-in*1/9~30V DC power supply/power adapter/aluminum alloy front panel/capacitive touch screen
0010-154841	W18A-51	19" panel PC/Intel®H110 chipset/I3-6100TE 2.7Ghz dual-core processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/DVI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/9~36V DC power supply/power adapter/aluminum alloy panel
0010-174681	W18A-61	19" panel PC/Intel®BayTrail chipset/Celeron J1900 2.0Ghz quad-core processor/4GB memory/128G SSD/serial port*2/USB2.0*5+USB3.0*1/gigabit LAN port*4/VGA*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/12V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-174691	W18A-62	19" panel PC/Intel Skylake SOC chipset/I3-6100U 2.3Ghz dual-core processor/4GB memory/128G SSD/serial port*4/USB2.0*2+USB3.0*2/gigabit LAN port*2/VGA port*1/HDMI*1/Line-out*1/MIC*1/19V DC power supply/19V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-177971	W18A-63	19" panel PC/Intel Elkhart SOC chipset/J6412 2.0Ghz quad-core processor/4GB memory/128G SSD/serial port*4/USB2.0*3+USB3.0*1/gigabit LAN port*2/VGA port*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/12V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-174701	W18A-91	19" panel PC/Intel® H110 chipset/I5-7500T 2.7Ghz quad-core processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/19V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-174711	W18A-92	19" panel PC/Intel®C236 chipset/I7-8700 3.2Ghz hexa-core processor/8GB memory/128G SSD/serial port*5/USB3.0*8/gigabit LAN port*4/ VGA*1/HDMI*1/DVI*1/GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/19V power adapter*1/aluminum alloy front panel/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

W21B

21.5" Wide-screen Industrial Panel PC

W21 is a 21.5" wide-screen industrial panel PC. The front panel supports IP65 protection grade, and the interior adopts fanless modular design to support various CPU modules. I/O ports and touch screen types can be flexibly changed according to different application scenarios.

W21 series products are mainly used in rail transit, machine vision, industrial automation and other fields, such as shield tunnel boring machines, automatic production line MES, integrated monitoring (rail transit, building, power, etc.), CNC machine tools, monocrystalline furnace, auto parts control and other application scenarios, to meet the diversified production and application needs of customers.



Product Features



Resistive/capacitive touch screen optional



Protection grade: IP65



Multiple installation methods



Supports quick customization of I/O port

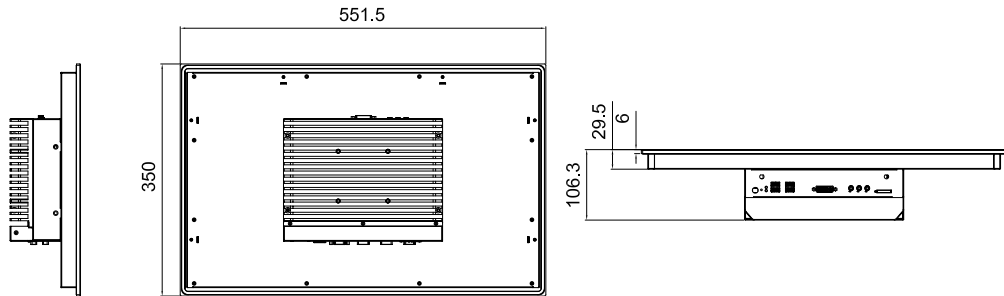


Fully sealed and fanless



Industrial-grade touch screen

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Display Performance	Screen Size	21.5" TFT LCD 16:9 wide-screen
	Maximum Resolution	1920×1080
	Brightness	≥250cd/m2 (bare screen)
	Contrast Ratio	1000:1
Touch Screen		Capacitive screen, full plane, 10-point touch control; Resistive screen, 5-wire resistive screen, single touch;
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/i5-6300U/i7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ i3/i5/i7 series, 9th Gen Intel® Core™ i3/i5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ i3/i5/i7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W;
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB;
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN port (optional) H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4 x USB3.2 Gen1 port;
	COM	2~6 x serial port (depending on the specific platform and configuration)
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT); H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN); H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)
	Bus Expansion Slot	Expansion slots depend on the specific configuration
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface; H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;
Storage Environment		-20°C~+60°C; Humidity: 5%-95% (non-condensing state)
Product Dimensions		552mm (W) x 350mm (H) (depth dimension depends on the specific configuration)
Mounting Hole Dimensions		535mm (W) x328mm(H)
IP Grade		The aluminum alloy front panel meets the protection grade of IP65
Installation Method		Supports embedded, VESA standard mount, etc.
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power interface, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Ordering Information

Part No.	Model	Description
0020-068291	W21BC-50	21.5" wide-screen fanless panel barebone system/Intel Celeron chipset/Celeron J6412 2.0Ghz quad-core processor/no memory/no hard disk/serial port*4/USB2.0*3+USB3.0*1/gigabit LAN port*2/VGA*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/no adapter/aluminum alloy front panel/capacitive touch screen
0010-284811	W21BC-52	21.5" wide-screen fanless panel PC/Intel®Skylake SOC chipset/i5-6300U 2.4Ghz dual-core processor/8GB memory/256G SSD/serial port*4/USB2.0*2+USB3.0*2/gigabit LAN port*2/VGA*1/HDMI*1/Line-out*1/MIC*1/19V DC power supply/19V power adapter*1/aluminum alloy front panel/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

P12B

12"Square-screen Industrial Panel PC

P12 is a 12.1" square-screen industrial panel PC. The front panel supports IP65 protection grade, and the interior adopts fanless modular design to support various CPU modules. According to different application scenarios, I/O ports and touch screen types can be flexibly changed to meet the diversified production and application needs of customers.

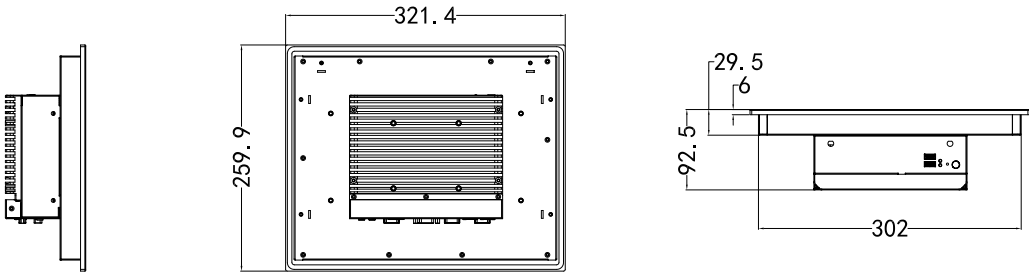
P12 series products are mainly used in rail transit, machine vision, industrial automation and other fields, such as shield tunnel boring machines, automatic production line MES, integrated monitoring (rail transit, building, power, etc.), CNC machine tools, monocrystalline furnace, auto parts control and other application scenarios.



Product Features

- Resistive/capacitive touch screen optional
- Protection grade: IP65
- Multiple installation methods
- Supports quick customization of I/O port
- Fully sealed and fanless
- Stable and reliable wireless design

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Display Performance	Screen Size	12.1" TFT LCD 4:3 square screen
	Maximum Resolution	1024×768
	Brightness	≥400cd/m2 (bare screen)
	Contrast Ratio	900:1
Touch Screen		Capacitive screen, full plane, 10-point touch control;Resistive screen, 5-wire resistive screen, single touch;
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W;
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB;
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN ports (optional); H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports; H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports; H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display;
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port;
	COM	2~6 x serial port (depending on the specific platform and configuration)
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT); H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN); H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT);
	Bus Expansion Slot	Expansion slots depend on the specific configuration
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface; H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;
Storage Environment		-20°C~+60°C; Humidity: 5%~95% (non-condensing state)
Product Dimensions		321mm (W) x 260mm (H) (depth dimension depends on the specific configuration)
Mounting Hole Dimensions		304mm (W) x236mm(H)
IP Grade		The aluminum alloy front panel meets the protection grade of IP65
Installation Method		Supports embedded, VESA standard mount, etc.
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power port, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Ordering Information

Model	Description
P12BC-31	12.1" panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/capacitive touch screen
P12BR-50	12.1" wide-screen fanless panel barebone system/Intel Celeron chipset/Celeron J6412 2.0Ghz quad-core processor/no memory/no hard disk/serial port*4/USB2.0*5+USB3.0*1/gigabit LAN port*2/VGA*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/12V power adapter*1/no adapter/aluminum alloy front panel/resistive touch screen
P12BC-51	12.1" panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
P12BR-51	12.1" panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
P12BC-61	12.1" panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/resistive touch screen
P12BR-61	12.1" panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

P15B

15"Square-screen Industrial Panel PC

P15 is a 15" square-screen industrial panel PC. The front panel supports IP65 protection grade, and the interior adopts fanless modular design to support various CPU modules. According to different application scenarios, I/O ports and touch screen types can be flexibly changed to meet the diversified production and application needs of customers.

P15 series products are mainly used in rail transit, machine vision, industrial automation and other fields, such as shield tunnel boring machines, automatic production line MES, integrated monitoring (rail transit, building, power, etc.), CNC machine tools, monocrystalline furnace, auto parts control and other application scenarios.



Product Features

Resistive/capacitive touch screen optional

Protection grade: IP65

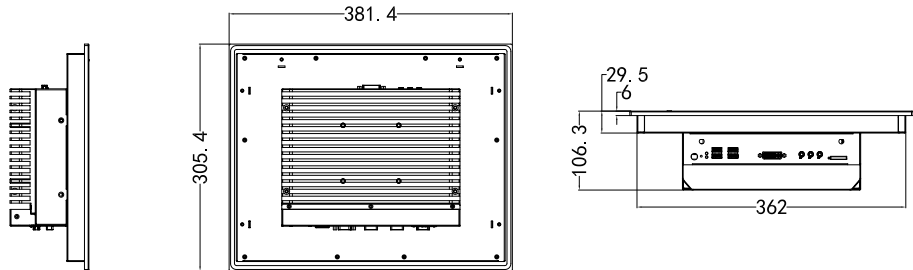
Multiple installation methods

Supports quick customization of I/O port

Fully sealed and fanless

Stable and reliable wireless design

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Display Performance	Screen Size	15" TFT LCD 4:3 square screen
	Maximum Resolution	1024x768
	Brightness	≥300cd/m2 (bare screen)
	Contrast Ratio	600:1
Touch Screen		Capacitive screen, full plane, 10-point touch control; Resistive screen, 5-wire resistive screen, single touch;
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W;
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB;
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN port (optional) H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port;
	COM	2~6 x serial port (depending on the specific platform and configuration)
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT) H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN) H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)
	Bus Expansion Slot	Expansion slots depend on the specific configuration
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface; H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot; H110/C236: 1x M-SATA slot, 1x M.2 keyM slot; H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;
Storage Environment		-20°C~+60°C; Humidity: 5%~95% (non-condensing state)
Product Dimensions		381mm (W) x 305mm (H) (depth dimension depends on the specific configuration)
Mounting Hole Dimensions		365mm (W) x283mm(H)
IP Grade		The aluminum alloy front panel meets the protection grade of IP65
Installation Method		Supports embedded, VESA standard mount, etc.
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power port, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Ordering Information

Part No.	Model	Description
0010-185601	P15C-B31	15" panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/capacitive touch screen
0010-185451	P15R-B31	15" panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/resistive touch screen
0010-185461	P15C-B51	15" panel PC/SkyLake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-185471	P15R-B51	15" panel PC/SkyLake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-185481	P15C-B61	15" panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/resistive touch screen
0010-185491	P15R-B61	15" panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

P17B

17" Square-screen Industrial Panel PC

P17 is a 17" square-screen industrial panel PC. The front panel supports IP65 protection grade, and the interior adopts fanless modular design to support various CPU modules. According to different application scenarios, I/O ports and touch screen types can be flexibly changed to meet the diversified production and application needs of customers.

P17 series products are mainly used in rail transit, machine vision, industrial automation and other fields, such as shield tunnel boring machines, automatic production line MES, integrated monitoring (rail transit, building, power, etc.), CNC machine tools, monocrystalline furnace, auto parts control and other application scenarios.



Product Features

Resistive/capacitive touch screen optional

Protection grade: IP65

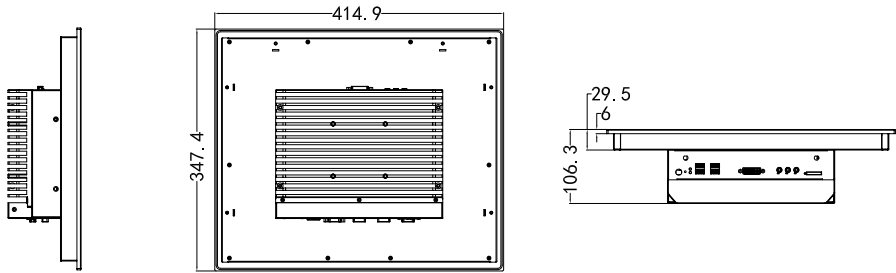
Multiple installation methods

Supports quick customization of I/O port

Fully sealed and fanless

Stable and reliable wireless design

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Display Performance	Screen Size	17" TFT LCD 5:4 square screen
	Maximum Resolution	1280×1024
	Brightness	≥250cd/m2 (bare screen)
	Contrast Ratio	1000:1
Touch Screen		Capacitive screen, full plane, 10-point touch control;Resistive screen, 5-wire resistive screen, single touch;
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN port (optional) H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port
	COM	2-6 x serial port (depending on the specific platform and configuration)
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT) H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN) H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)
	Bus Expansion Slot	Expansion slots depend on the specific configuration
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot;H110/C236: 1x M-SATA slot, 1x M.2 keyM slot;H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;
Storage Environment		-20°C~+60°C; Humidity: 5%~95% (non-condensing state)
Product Dimensions		415mm (W) x 347mm (H) (depth dimension depends on the specific configuration)
Mounting Hole Dimensions		398mm (W) x325mm(H)
IP Grade		The aluminum alloy front panel meets the protection grade of IP65
Installation Method		Supports embedded, VESA standard mount, etc.
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power port, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration

Ordering Information

Model	Description
P17BC-31	17" Panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/capacitive touch screen
P17BR-31	17" Panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/resistive touch screen
P17BC-51	17" Panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
P17BR-51	17" Panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/resistive touch screen
P17BC-61	17" Panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/capacitive touch screen
P17BR-61	17" Panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/resistive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

P19B

19" Square-screen Industrial Panel PC

P19 is a 19" square-screen industrial panel PC. The front panel supports IP65 protection grade, and the interior adopts fanless modular design to support various CPU modules. According to different application scenarios, I/O ports and touch screen types can be flexibly changed to meet the diversified production and application needs of customers.

P19 series products are mainly used in rail transit, machine vision, industrial automation and other fields, such as shield tunnel boring machines, automatic production line MES, integrated monitoring (rail transit, building, power, etc.), CNC machine tools, monocrystalline furnace, auto parts control and other application scenarios.



Product Features

Resistive/capacitive touch screen optional

Multiple installation methods

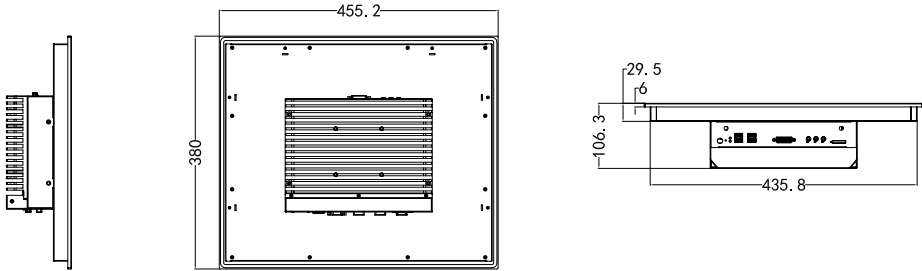
Supports quick customization of I/O port

Fully sealed and fanless

Sturdy and durable, with stylish appearance

Protection grade: IP65

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Display Performance	Screen Size	19" TFT LCD 5:4 square screen	Brightness	≥250cd/m2 (bare screen)
	Maximum Resolution	1280×1024	Contrast Ratio	1000:1
Touch Screen		Capacitive screen, full plane, 10-point touch control;Resistive screen, 5-wire resistive screen, single touch		
System Configuration	Processor	Intel Celeron: onboard J1900/J6412/X6425E and other processors; SkyLake-U: Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor; H110/C236: supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W; H310/Q370: supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W; H610E/Q670E: supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W		
	Memory	BayTrail: supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB; SkyLake-U: supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB; H110/C236/H310/Q370: supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB; H610E/Q670E: supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB		
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN port (optional) H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports		
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display		
	USB	BayTrail: supports up to 1x USB3.0 + 5x USB2.0; SkyLake-U: 2x USB3.0 + 2 x USB2.0 port; H110: 4x USB3.0+4 xUSB2.0 port; C236: 8x USB3.0; H310/Q370: 4x USB3.0+4 x USB2.0 port; H610E: 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port; Q670E: 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port		
	COM	2~6 x serial port (depending on the specific platform and configuration)		
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT) H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN) H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)		
	Bus Expansion Slot	Expansion slots depend on the specific configuration		
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;		
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot;H110/C236: 1x M-SATA slot, 1x M.2 keyM slot;H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;		
Working Environment		CPU TDP < 35W, Working Temperature: 0°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;		
Storage Environment		-20°C~+60°C; Humidity: 5%-95% (non-condensing state)		
Product Dimensions		455mm (W) x 380mm (H) (depth dimension depends on the specific configuration)		
Mounting Hole Dimensions		439mm (W) x358mm(H)		
IP Grade		The aluminum alloy front panel meets the protection grade of IP65		
Installation Method		Supports embedded, VESA standard mount, etc.		
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power port, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration		

Ordering Information

料号	型号	描述
0010-199091	P19BR-31	19" Panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/resistive touch screen
0010-199101	P19BC-51	19" Panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-199111	P19BR-51	19" Panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-199121	P19BC-61	19" Panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/resistive touch screen
0010-199131	P19BR-61	19" Panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/capacitive touch screen
0020-068041	P19BR-60	19" Panel PC barebone system/Intel® H110 chipset/no CPU/no memory/no hard disk/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/no adapter/aluminum alloy front panel/resistive touch screen
0020-068031	P19BC-60	19" Panel PC barebone system/Intel® H110 chipset/no CPU/no memory/no hard disk/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/no adapter/aluminum alloy front panel/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

D12B

12.1" Square-screen Industrial Display

D12 industrial display supports VGA, DP and HDMI standard display port input, with OSD adjustment function and touch screen operation. The front panel adopts full-plane design, and the high-strength aluminum alloy surface frame is compatible with resistive screen and capacitive screen of the same size. The structure takes into account the installation methods such as embedded, wall-mounted and VESA standard mount.

D12 is mainly used in various industrial display fields such as industrial MES production line, integrated monitoring (buildings, rail transit and power), equipment control (CNC machine tools and monocrystalline furnaces).



Product Features



12" high-brightness LED LCD



Automatic calibration and adjustment



IP65 protection grade



Supports VGA, HDMI and DP display

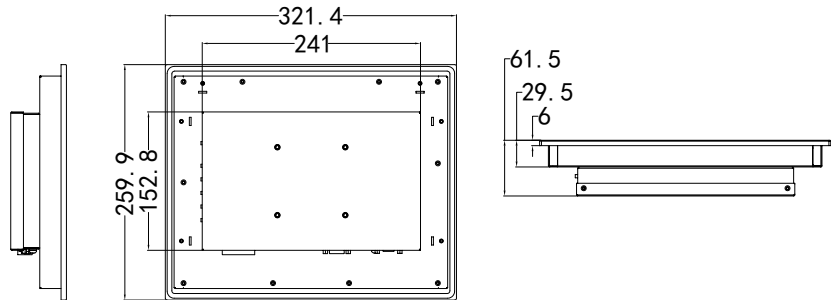


Resistive/capacitive touch screen optional



Fully sealed without fan

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Characteristics of LCD screen	Display Size	12.1" 4:3 square screen	Frequency	60Hz
	Maximum Resolution	1024×768	Dot Pitch	0.080(H)mm×0.240(V)mm
	Brightness	≥400cd/m2 (bare screen)	Display Color	16.2M color
	Contrast Ratio	900:1	Visual Angle	CR≥10
Touch Controls		Capacitive screen, full plane, 10-point touch control		
		Resistive screen, 5-wire resistive screen, single touch		
Display Function		Supports VGA, DP and HDMI standard port input		
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port		
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions		
Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration		
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h		
Safety		GB 4943.1-2022		
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)		
Working Environment		-10°C~+60°C		
Storage Environment		-20°C ~ 65°C; humidity: 5% ~ 95% (non-condensing state)		
Installation Method		Panel embedded, wall-mounted, VESA, etc.		
Product Dimensions		321mm (W) × 260mm (H) × 61.5mm (D)		
Weight		About 3.70Kg (excluding the weight of package and accessories)		
Power Supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the chassis)		
Protection Grade		The front panel supports IP65 Protection Grade		

Ordering Information

Model	Description
D12BC-01	D12C-B01/VGA+DP+HDMI/15" screen/capacitive touch/adapter
D12BR-01	D12R-B01/VGA+DP+HDMI/15" screen/resistive touch/adapter

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

D15B

15" Square-screen Industrial Display

D12 industrial display supports VGA, DP and HDMI standard display port input, with OSD adjustment function and touch screen operation. The front panel adopts full-plane design, and the high-strength aluminum alloy surface frame is compatible with resistive screen and capacitive screen of the same size. The structure takes into account the installation methods such as embedded, wall-mounted and VESA standard mount.

D12 is mainly used in various industrial display fields such as industrial MES production line, integrated monitoring (buildings, rail transit and power), equipment control (CNC machine tools and monocrystalline furnaces).



Product Features

- 

15-inch high-brightness LED LCD
- 

Automatic calibration and adjustment
- 

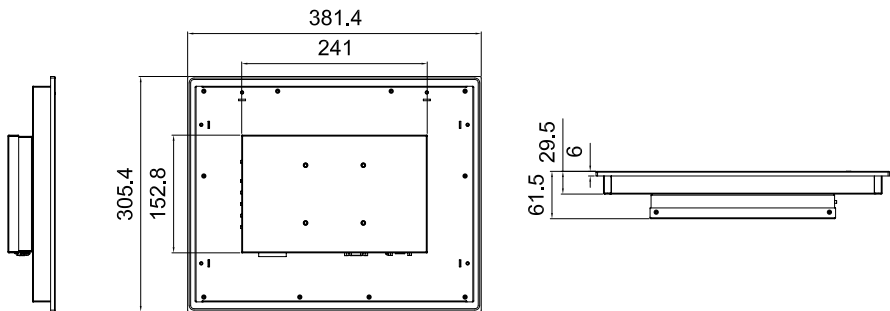
IP65 protection grade
- 

Supports VGA, HDMI and DP display
- 

Resistive/capacitive touch screen optional
- 

Fully sealed without fan

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Characteristics of LCD screen	Display Size	15" 4:3 square screen	Frequency	60Hz
	Maximum Resolution	1024×768	Dot Pitch	0.099(H)mm×0.297(V)mm
	Brightness	≥300cd/m2 (bare screen)	Display Color	16.7M color
	Contrast Ratio	600:1	Visual Angle	CR≥10
Touch Controls		Capacitive screen, full plane, 10-point touch control		
		Resistive screen, 5-wire resistive screen, single touch		
Display Function		Supports VGA, DP and HDMI standard port input		
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port		
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions		
Mechanical Environment Adaptability		Start-up Vibration Resistance: Frequency: 5~15Hz, Amplitude: 1mm; Frequency: 15~200Hz, Acceleration: 1.0g Shock: 15g acceleration, 11ms duration		
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h		
Safety		GB 4943.1-2022		
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)		
Working Environment		-10°C~+60°C		
Storage Environment		-20°C ~ 65°C; humidity: 5% ~ 95% (non-condensing state)		
Installation Method		Panel embedded, wall-mounted, VESA, etc.		
Product Dimensions		381.4mm (W) × 305.4mm (H) × 61.5mm (D)		
Weight		About 4.90Kg (excluding the weight of package and accessories)		
Power supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the chassis)		
Protection Grade		The front panel supports IP65 Protection Grade		

Ordering Information

Part No.	Model	Description
0010-185521	D15C-B01	D15C-B01/VGA+DP+HDMI/15" screen/capacitive touch/adaptor
0010-185531	D15R-B01	D15R-B01/VGA+DP+HDMI/15" screen/resistive touch/adaptor

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

D17B

17" Square-screen Industrial Display

D17 industrial display supports VGA, DP and HDMI standard display port input, with OSD adjustment function and touch screen operation. The front panel adopts full-plane design, and the high-strength aluminum alloy surface frame is compatible with resistive screen and capacitive screen of the same size. The structure takes into account the installation methods such as embedded, wall-mounted and VESA standard mount.

D17 is mainly used in various industrial display fields such as industrial MES production line, integrated monitoring (buildings, rail transit and power), equipment control (CNC machine tools and monocrystalline furnaces).



Product Features



17-inch high-brightness LCD LCD



Automatic calibration and adjustment



IP65 protection grade



Supports VGA, HDMI and DP display

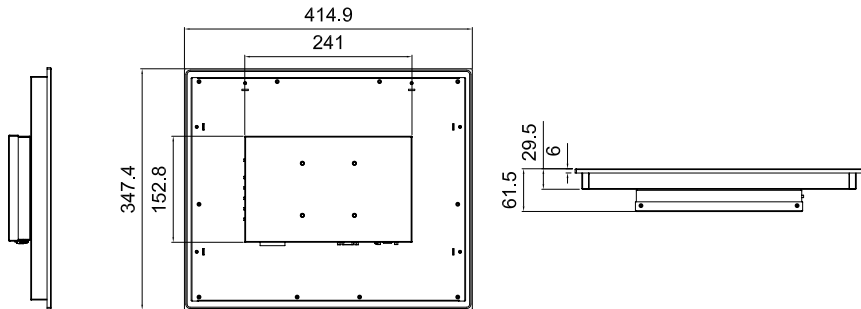


Resistive/capacitive touch screen optional



Fully sealed without fan

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Characteristics of LCD screen	Display Size	17" 5:4 square screen	Frequency	60Hz
	Maximum Resolution	1280×1024	Dot Pitch	0.264(H)mm×0.264(V)mm
	Brightness	≥250cd/m2 (bare screen)	Display Color	16.7M color
	Contrast Ratio	1000:1	Visual Angle	CR≥10
Touch Controls		Capacitive screen, full plane, 10-point touch control		
		Resistive screen, 5-wire resistive screen, single touch		
Display Function		Supports VGA, DP and HDMI standard port input		
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port		
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions		
Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration		
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h		
Safety		GB 4943.1-2022		
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)		
Working Environment		-10°C~+60°C		
Storage Environment		-20°C~65°C; Humidity: 5%~95% (non-condensing state)		
Installation Mode		Panel embedded, wall-mounted, VESA, etc.		
Product Dimensions		414.9mm (W) × 347.4mm (H) × 61.5mm (D)		
Weight		About 5.90Kg (excluding the weight of the package and accessories)		
Power Supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the chassis)		
Protection Grade		The front panel supports IP65 protection grade		

Ordering Information

Part No.	Model	Description
0010-185541	D17C-B01	D17C-B01/VGA+DP+HDMI/17" screen/capacitive touch/adapter
0010-185551	D17R-B01	D17R-B01/VGA+DP+HDMI/17" screen/resistive touch/adapter

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

D19B

19" Square-screen Industrial Display

D19 industrial display supports VGA, DP and HDMI standard display port input, with OSD adjustment function and touch screen operation. The front panel adopts full-plane design, and the high-strength aluminum alloy surface frame is compatible with resistive screen and capacitive screen of the same size. The structure takes into account the installation methods such as embedded, wall-mounted and VESA standard mount.

D19 is mainly used in various industrial display fields such as industrial MES production line, integrated monitoring (buildings, rail transit and power), equipment control (CNC machine tools and monocrystalline furnaces).



Product Features



19-inch high-brightness LCD LCD



Automatic calibration and adjustment



IP65 protection grade



Supports VGA, HDMI and DP display

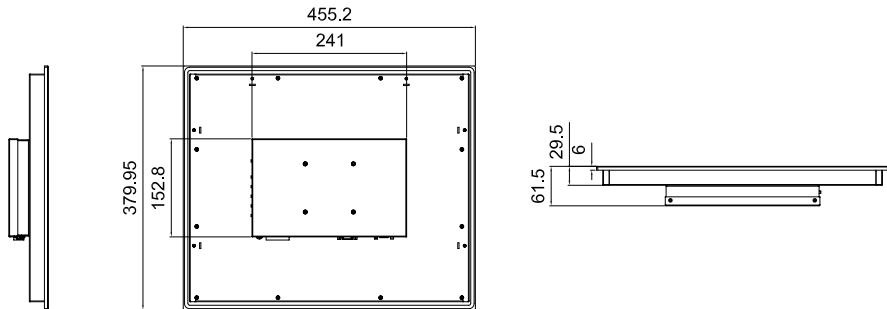


Resistive/capacitive touch screen optional



Fully sealed without fan

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Characteristics of LCD screen	Display Size	19" 5:4 square screen	Frequency	60Hz
	Maximum Resolution	1280×1024	Dot Pitch	0.294(H)mm×0.294(V)mm
	Brightness	≥250cd/m2 (bare screen)	Display Color	16.7M color
	Contrast Ratio	1000:1	Visual Angle	CR≥10
Touch Controls		Capacitive screen, full plane, 10-point touch control		
		Resistive screen, 5-wire resistive screen, single touch		
Display Function		Supports VGA, DP and HDMI standard port input		
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port		
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions		
Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration		
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h		
Safety		GB 4943.1-2022		
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)		
Working Environment		0°C~+50°C		
Storage Environment		-20°C~65°C; Humidity: 5%~95% (non-condensing state)		
Installation Mode		Panel embedded, wall-mounted, VESA, etc.		
Product Dimensions		455.2mm (W) × 380mm (H) × 61.5 mm (D)		
Weight		About 6.75Kg (excluding the weight of the package and accessories)		
Power Supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the chassis)		
Protection Grade		The front panel supports IP65 Protection Grade		

Ordering Information

Part No.	Model	Description
0010-185561	D19C-B01	D19C-B01/VGA+DP+HDMI/19" screen/capacitive touch/adapter
0010-185571	D19R-B01	D19R-B01/VGA+DP+HDMI/19" screen/resistive touch/adapter

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

D21B

21.5" Wide-screen Industrial Display

D21 industrial display supports VGA, DP and HDMI standard display port input, with OSD adjustment function and touch screen operation. The front panel adopts full-plane design, and the high-strength aluminum alloy surface frame is compatible with resistive screen and capacitive screen of the same size. The structure takes into account the installation methods such as embedded, wall-mounted and VESA standard mount.

D21 is mainly used in various industrial display fields such as industrial MES production line, integrated monitoring (buildings, rail transit and power), equipment control (CNC machine tools and monocrystalline furnaces).



Product Features



21-inch high-brightness LED LCD



Automatic calibration and adjustment



IP65 protection grade



Supports VGA, HDMI and DP display

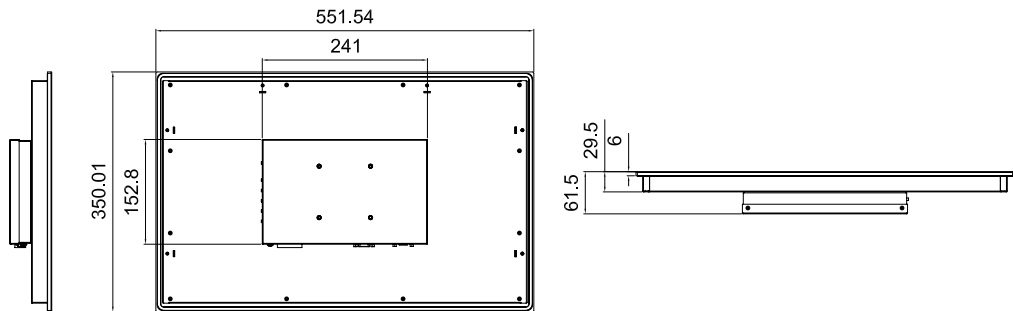


Resistive/capacitive touch screen optional



Fully sealed without fan

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description		
Characteristics of LCD screen	Display Size	21.5" 16:9 wide-screen	Frequency	60Hz
	Maximum Resolution	1920×1080	Dot Pitch	0.24795(H)mm×0.24795(V)mm
	Brightness	≥250cd/m2 (bare screen)	Display Color	16.7M color
	Contrast Ratio	1000:1	Visual Angle	CR≥10
Touch Controls		Capacitive screen, full plane, 10-point touch control		
		Resistive screen, 5-wire resistive screen, single touch		
Display Function		Supports VGA, DP and HDMI standard port input		
External I/O Port		1x Type-B USB2.0 input port (for touch) 1x VGA input port 1x DP input port 1x HDMI input port 1x power input port		
OSD Menu		Supports brightness/contrast, graphic adjustment, color temperature adjustment, reset, and automatic correction and other functions		
Mechanical Environment Adaptability		Start-up vibration resistance: frequency: 5~15Hz, amplitude: 1mm; frequency: 15~200Hz, acceleration: 1.0g Shock: 15g acceleration, 11ms duration		
Reliability		Mean time between failures (MTBF) ≥ 50000H; mean time to repair (MTTR) ≤ 0.5h		
Safety		GB 4943.1-2022		
EMC		GB/T 9254-2021 Radiated Disturbance Class (A) GB/T 9254-2021 Conducted Disturbance Class (A) GB/T 17626.2-2018 Electrostatic Discharge Class (2) GB/T 17626.4-2018 Burst Immunity Class (2) GB/T 17626.5-2019 Surge (Shock) Immunity Class (2) GB/T 17626.6-2017 Conducted Immunity Class (2)		
Working Environment		0°C~50°C		
Storage Environment		-20°C ~ 65°C; humidity: 5% ~ 95% (non-condensing state)		
Installation Method		Panel embedded, wall-mounted, VESA, etc.		
Product Dimensions		551.5mm (W) × 350mm (H) × 61.5mm (D)		
Weight		About 7.10Kg (excluding the weight of package and accessories)		
Power supply		Input voltage/frequency: 220VAC/50Hz (with adapter) Input voltage: 12VDC (without adapter, direct input to the chassis)		
Protection Grade		The front panel supports IP65 Protection Grade		

Ordering Information

Part No.	Model	Description
0010-185581	D21C-B01	D21C-B01/VGA+DP+HDMI/21.5" screen/capacitive touch/adapter
0010-185591	D21R-B01	D21R-B01/VGA+DP+HDMI/21.5" screen/resistive touch/adapter

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

CRAFTSMANSHIP DESIGN
SAFE & RELIABLE
TOUCH WIZARD
MILLISECOND RESPONSE



15" Full Plane Square Screen Industrial Display

D15

Stylish Appearance

Full-screen
Professional and craftsmanship
design

Intelligent Control

Automatic calibration and
adjustment
Easy Operation

Sturdy and Durable

IP65 ultra-high
protection

Optional Screen

Capacitive and resistive screens
Compatible external dimensions

Safety and stability

Rigorous Tests
Quality Assurance

SILKY LARGE SCREEN
UNLIMITED EXPANSION
HARDCORE STRUCTURE
STABLE OPERATION



21.5-inch Embedded Industrial Tablet PC

W21

**Industrial-grade
touch screen**

21.5-inch industrial touch screen
Supports 10-point touch control

**Waterproof and
Dustproof Panel**

The panel meets IP65
waterproof and dustproof

All-metal Design

Aluminum alloy surface frame
design, all-metal shell compact
design scheme

Flexible Configuration

Modular design
Used with hosts of different
platforms

Safety and stability

Rigorous Tests
Quality Assurance

Industrial Control Computer Selection Table

Model	IPC-316	IPC-520S	IPC-620H
Product picture			
Adaptive motherboard	EC7 series	EC7 series	ECS series
I/O Port	Depending on different motherboard configurations	Depending on different motherboard configurations	Depending on different motherboard configurations
Storage	2 x 2.5" shock-absorbing hard disk bay	1 x 2.5" shock-absorbing hard disk bay	1 x 2.5" shock-absorbing hard disk bay 1 x ultra-thin optical drive bay
Working Environment	0°C~40°C	0°C~50°C, 5%~90% (non-condensing state)	0°C~50°C, 5%~90% (non-condensing state)
Storage Environment	-20°C~60°C	-20°C~60°C, 5%~90% (non-condensing state)	-20°C~60°C, 5%~90% (non-condensing state)
Power supply	1U small power supply	1U small power supply	Small PS2 ATX power supply or 1U small power supply
Dimensions (W×H×D)	260 mm×91 mm×240 mm	250mm×210mm×88mm	280mm×165mm×238mm

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information.

Industrial Control Computer Selection Table

Model	IPC-6207	IPC-630B	IPC-310
Product picture			
Adaptive motherboard	EC0 series	EC9/ECS series	ATX motherboard
I/O Port	Depending on different motherboard configurations	Depending on different motherboard configurations	Depending on different motherboard configurations
Storage	2 x 3.5" shock-absorbing hard disk bay	1 x 3.5" shock-absorbing hard disk bay 1 x 2.5" shock-absorbing hard disk bay	2 x 3.5" shock-absorbing hard disk bay
Working Environment	0°C~50°C, 5%~90% (non-condensing state)	0°C~50°C, 5%~90% (non-condensing state)	0°C~40°C, 5%~90% (non-condensing state)
Storage Environment	-20°C~80°C, 5%~90% (non-condensing state)	-20°C~60°C, 5%~90% (non-condensing state)	-20°C~60°C, 5%~90% (non-condensing state)
Power supply	1U small power supply	Standard ATX power supply	Standard ATX power supply
Dimensions (W×H×D)	380mm×164mm×316mm	270mm×177mm×330mm	482.6 mm×177 mm×469.7mm

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information.

Industrial Control Computer Selection Table

Model	IPC-710	IPC-810E
Product picture		
Adaptive motherboard	ATX motherboard	ECO/EPE series
I/O Port	Depending on different motherboard configurations	Depending on different motherboard configurations
Storage	1 x 5.25" CD-ROM space 2 x 3.5" HDD space (with shock absorption) 1 x 3.5" HDD space (without shock absorption)	1 x 5.25" CD-ROM space 2 x 3.5" HDD space (with shock absorption) 1 x 3.5" HDD space (without shock absorption)
Working Environment	0°C~50°C, 5%~90% (non-condensing state)	0°C~50°C, 5%~90% (non-condensing state)
Storage Environment	-20°C~60°C, 5%~90% (non-condensing state)	-20°C~60°C, 5%~90% (non-condensing state)
Power supply	Standard ATX power supply	Standard ATX power supply
Dimensions (W×H×D)	482.6mm×177mm×470.4mm	482.6 mm×177 mm×470.4 mm

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information.

Industrial Control Computer Selection Table

Model	IPC-820	IPC-860
Product picture		
Adaptive motherboard	ECO/EPE series	ECO/EPE/SVE series
I/O Port	Depending on different motherboard configurations	Depending on different motherboard configurations
Storage	1 x 5.25" CD-ROM space 2 x 3.5" HDD space (with shock absorption) 1 x 3.5" HDD space (without shock absorption)	Compatible with two types of hard disk modules: 4 x 3.5" pull-out hard disk (without shock absorption) 2 x 3.5" pull-out hard disk (with shock absorption)
Working Environment	0°C~50°C, 5%~90% (non-condensing state)	ECO/EPE configuration: 0°C~50°C, 5%~90% (non-condensing state) EATX server configuration: 0°C~40°C, 5%~90% (non-condensing state)
Storage Environment	-20°C~60°C, 5%~90% (non-condensing state)	-20°C~60°C, 5%~90% (non-condensing state)
Power supply	Standard ATX power supply	Standard ATX power supply/redundant power supply
尺寸 (W×H×D)	482.6 mm×177 mm×470.4 mm	482 mm×177 mm×552 mm

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information.

IPC-316

Small Compact Wall-mounted Chassis

IPC-316 is a small high-performance chassis, which can be installed in narrow spaces. The chassis is made of sheet metal, with good heat dissipation and vibration resistance. The front panel is equipped with 2 x USB port, a status indicator light and a power switch, which are convenient for operators to use and observe the running status of the equipment. It can be widely used in industrial automation, 3C, machine vision, finance, security inspection and other fields.



Product Features



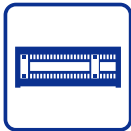
Small size



Tool-free maintenance of the upper cover, and replaceable dust screen on the front panel

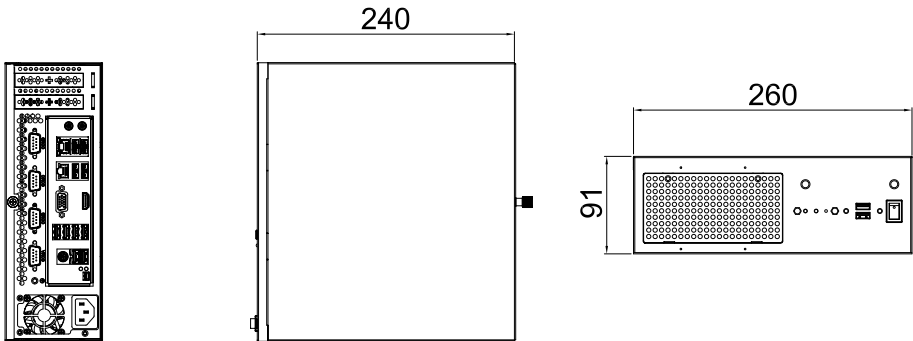


Multi-serial port and multi-USB port



Supports 1 x PCIe16 half-height expansion slot

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	Supports Mini-ITX motherboard
Memory	2 x 2.5-inch shock-absorbing hard disk bay
I/O Port	Front panel: 2 x USB port, power switch, reset switch, power supply and hard disk indicator Rear panel: matched with the motherboard
Power Supply	1U small power supply
Working Temperature	0°C~40°C
Storage Temperature	-20°C~60°C
Overall Dimensions (W×H×D)	260 mm×91 mm×240 mm

Ordering Information

Part No.	Model	Description
0020-068241	IPC-316/EC7-1825/250W	H110 motherboard/250W power supply/no CPU radiator Rear: VGA+HDMI, 2 x LAN port, 2 x USB3.0, 8 x USB2.0, 2 x COM, 1 x PS2 and 1 group of audio ports Expansion bus: 1 x PCIe×16, 1 x Mini PCIe (WIFI+3G), and 1 x SIM card slot
0020-068231	IPC-316/EC7-1826/250W	H310 motherboard/250W power supply/no CPU radiator Front: 2 x USB2.0 Rear: VGA+HDMI, 2 x LAN port, 4 x USB3.1, 6 x USB2.0, 1 x PS2, 1 group of audio ports, 1 set of system + hard disk indicator light, 1*Power Button Expansion bus: 1 x PCIe×16, 1 x Mini PCIe (WIFI+4G), and 1 x SIM card slot
0020-068221	IPC-316/EC7-1827/250W	H470 motherboard/250W power supply/no CPU radiator Front: 2 x USB2.0 Rear: VGA+HDMI, 2 x LAN port, 6 x USB3.0, 4 x USB2.0, 1 x PS2, 1 group of audio ports, 1 set of system + hard disk indicator light, 1*Power Button Expansion bus: 1 * PCIe×16,1 * M.2 Key-E (PCIe+USB2.0,WIFI+BT)
0020-068211	IPC-316/EC7-1828/250W	H610 motherboard/250W power supply/no CPU radiator Front: 2 x USB2.0 Rear: VGA+HDMI, 2 x LAN port, 4 x USB3.2 Gen1, 6 x USB2.0, 1 x PS2, 1 group of audio ports, 1 set of system + hard disk indicator light, 1*Power Button Expansion bus: 1 x PCIe×16, 1 x M.2 Key-E (WIFI+BT), 1 * M.2 Key-M (PCIe x4 signal)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-520S

Small Compact Wall-mounted Chassis

IPC-520S is a small and compact chassis made of sheet metal, with good heat dissipation and vibration resistance. It can be installed with the EC7 series motherboard. The H110/C236 platform's motherboard supports Intel LGA 1151 pin 6th and 7th Gen series processors and extended full-height half-length expansion cards. It has good expansion performance and can be installed in narrow spaces and it can be widely used in industrial manufacturing, machine vision industry, security inspection industry and other industries.



Product Features



Small size

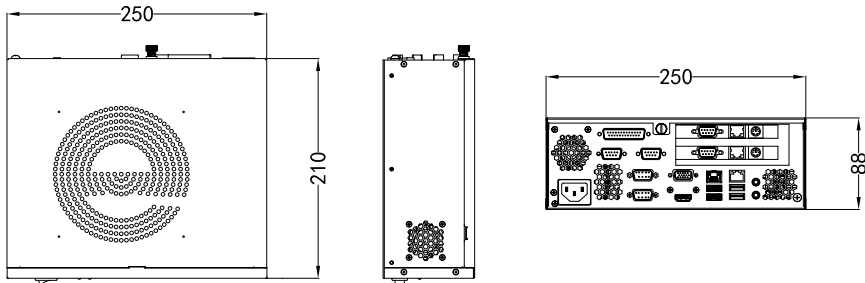


Multi-expansion



Multiple IO ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	Supports Mini-ITX motherboard
Chipset	Intel H110/C236 platform chipset
CPU	Supports Intel LGA 1151-pin 6th and 7th Gen series processors
Memory	1 x DDR4 U-DIMM slot, supporting up to 16G memory capacity
I/O port	Rear: 2 x USB3.0, 2 x USB2.0; 4 x COM, COM1 and COM2 support RS232\RS422\RS485; 1 x VGA, 1 x HDMI; 2 x Gigabit LAN port; 1 x ATX power outlet; 1 x LINE-IN, 1 x LINE-OUT; 1 x 16-bit GPIO is brought out via lead wire by means of DB44; Front: 2 x USB2.0 port; Front power switch; The Phoenix terminal port is used to connect the front power supply
Memory	1 x 2.5-inch shock-absorbing hard disk bay, without optical drive installation
Bus Expansion	1 x PCIe x16
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Power Supply	1U small power supply
Operating System	WIN7、WIN8、WIN10、LINUX
Overall Dimensions (W×H×D)	250mm×210mm×88mm

Ordering Information

Part No.	Model	Description
0010-114851	IPC-520S-01	EC7-1821-H110 motherboard/I3-6100/4G memory/500G hard disk/ATX 200W power supply/without optical drive, without keyboard and mouse/2 x LAN port, 6 x serial port (4 x external chassis, 2 x motherboard pin), VGA+HDMI dual display, 6 x USB/1 x LINE-IN, 1 x LINE-OUT/1 x 16-channel GPIO pin brought out via lead wire by means of DB44/1 x PCIE*16 (with heat dissipation holes above the chassis)
0010-114861	IPC-520S-02	EC7-1821-H110 motherboard/I5-6500/4G memory/1T hard disk/ATX 200W power supply/without optical drive, without keyboard and mouse/2 x LAN port, 6 x serial port (4 x external chassis, 2 x motherboard pin), VGA+HDMI dual display, 6 x USB/1 x LINE-IN, 1 x LINE-OUT/1 x 16-channel GPIO pin brought out via lead wire by means of DB44/1 x PCIE*16 (with heat dissipation holes above the chassis)
0020-062731	IPC-520S barebone system	EC7-1821-H110-01 motherboard/no CPU/no memory/no hard disk/ATX 200W power supply/no optical drive, no keyboard and mouse/2 x LAN port, 6 x serial port (4 x external chassis, 2 x motherboard pin), VGA+HDMI dual display, 6 x USB/1 x LINE-IN, 1 x LINE-OUT/1 x 16-channel GPIO pin brought out via lead wire by means of DB44/1 x PCIE*16 (without heat dissipation hole above the chassis) Note: The axial flow fan radiator is adopted, and this configuration does not support the insertion of expansion cards
0020-062741	IPC-520S-01barebone system	EC7-1821-C236 motherboard/no CPU/no memory/no hard disk/ATX 200W power supply/no optical drive, no keyboard and mouse/2 x LAN port, 6 x serial port (4 x external chassis, 2 x motherboard pin), VGA+HDMI dual display, 6 x USB/1 x LINE-IN, 1 x LINE-OUT/1 x 16-channel GPIO pin brought out via lead wire by means of DB44/1 x PCIE*16 (with heat dissipation holes above the chassis)

Supporting Board

Part No.	Model	Description
0060-005061	2*PCI expansion boards	Full-height half-length expansion card for expanding PCI port
0060-005051	PCIE*16Expansion board	Full-height half-length expansion card for expanding PCIE*16 port
0090-005271	2*PCIE*8 expansion boards (EB-X16-200B)	Full-height half-length expansion card for expanding PCIE*8 port, used with C236 platform motherboard
0090-005281	1*PCIE*8+1*PCI expansion card (EB-X16-110B)	Full-height half-length expansion card for expanding PCIE*8+PCI port, used with C236 platform motherboard

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-620H

Small Compact Wall-mounted Chassis

IPC-620H is a small and compact wall-mounted chassis equipped with ECS series motherboards and can be matched with H81, H110, H310 and other platform motherboards. It has the characteristics of compact size, high performance and high cost performance. With multiple IO ports, it still has good expansion performance even in a small size. The chassis adopts a miniaturized design and can be installed in a narrow space. Main application fields: 3C manufacturing, machine vision, security inspection, highways, self-service terminals, etc.



Product Features



Strong expansion capability and compact size

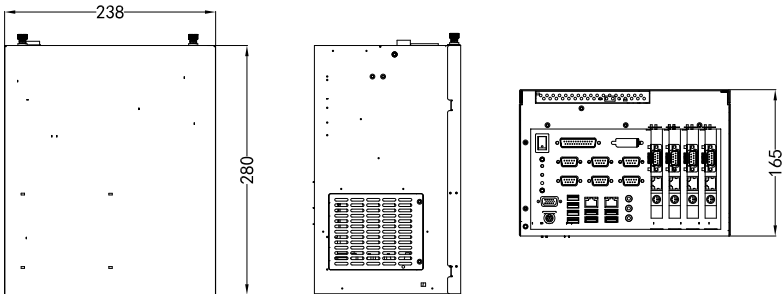


Easy-to-maintain and clamshell-type



Abundant IO ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	ECS series motherboard: H81 platform ECS-1830; H110 platform ECS-1839; H310 platform ECS-1852
Memory	1 x 2.5-inch hard shock-absorbing hard disk bays; 1 x ultra-thin optical drive bay (compatible with the installation of 1 x 2.5-inch hard disk)
I/O Port	All IO ports are on the same plane, depending on different motherboard platforms
Power Supply	Small PS2 ATX power supply or 1U small power supply
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	280mm×165mm×238mm

Ordering Information

Part No.	Model	Description
0020-061151	IPC-620H/ECS-1830/250W/ barebone system	H81 platform motherboard/250W/6 x COM, 2 x USB3.0, 6 x USB2.0, 2 x LAN port, VGA+DVI-D, 1 x LPT, 1 group of audio ports and 1 x PS2; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0020-062121	IPC-620H barebone system /ECS-1839/250W	H110 platform motherboard/250W power supply/2 x COM, 4 x USB3.0, 4 x USB2.0, 2 x LAN port, VGA+HDMI, 1 x LPT, 1 group of audio ports, expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-106041	IPC-620H/ECS-1839/G3900/4G/500G/250W	H110 platform motherboard/G3900/4G memory/500G hard disk/250W power supply/6 x COM, 4 x USB3.0, 4 x USB2.0, 2 x LAN port, VGA+HDMI, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-106051	IPC-620H/ECS-1839/I3-6100/4G/500G/250W	H110 platform motherboard/i3-6100/4G memory/500G hard disk/250W power supply/6 x COM, 4 x USB3.0, 4 x USB2.0, 2 x LAN port, VGA+HDMI, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-106061	IPC-620H/ECS-1839/I5-6500/4G/1T/250W	H110 platform motherboard/i5-6500/4G memory/1T hard disk/250W power supply/6 x COM, 4 x USB3.0, 4 x USB2.0, 2 x LAN port, VGA+HDMI, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-106071	IPC-620H/ECS-1839/I7-6700/8G/1T/250W	H110 platform motherboard/i7-6700/8G memory/1T hard disk/250W power supply/6 x COM, 4 x USB3.0, 4 x USB2.0, 2 x LAN port, VGA+HDMI, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0020-065471	IPC-620H/ECS-1852/250W	H310 platform motherboard/supports Intel® 8th/9th LGA1151 pin full series processors, TDP maximum power consumption 95W/supports two DDR4 memory modules, supporting up to 64G/ 250W power supply/2 x COM, VGA+HDMI, 4 x USB3.1, 4 x USB2.0, 2 x RJ45 and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-152231	IPC-620H/ECS-1852/G4900/4G/128G/250W	H310 platform motherboard/G4900/4G memory/128G SSD/250W power supply/6 x COM, VGA+HDMI, 4 x USB3.1, 4 x USB2.0, 2 x RJ45, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-152241	IPC-620H/ECS-1852/I3-8100/4G/128G/250W	H310 platform motherboard/I3-8100/4G memory/128G SSD/250W power supply/6 x COM, VGA+HDMI, 4 x USB3.1, 4 x USB2.0, 2 x RJ45, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-152251	IPC-620H/ECS-1852/I5-8500/8G/1T/250W	H310 platform motherboard/I5-8500/8G memory/1T hard disk/250W power supply/6 x COM, VGA+HDMI, 4 x USB3.1, 4 x USB2.0, 2 x RJ45, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16
0010-152261	IPC-620H/ECS-1852/I7-8700/8G/1T/250W	H310 platform motherboard/I7-8700/8G memory/1T hard disk/250W power supply/6 x COM, VGA+HDMI, 4 x USB3.1, 4 x USB2.0, 2 x RJ45, 1 x LPT and 1 group of audio ports; expansion: 2 x PCI+1 x PCIE×4+1 x PCIE×16

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-6207

Seven-slot Compact Wall-mounted Chassis

IPC-6207 is a seven-slot compact wall-mounted chassis, which can be matched with EC0, ECS and other series motherboards. It still has good expansion performance under compact size, supporting 7 x expansion slot; it is easy to operate, and all IO ports of the complete PC are located on the same plane; it has the port characteristics of compact size, high performance and rich IO; it is mainly used in the intelligent manufacturing industry, including 3C manufacturing, machine vision, security inspection, highway, self-service terminal and other fields.



Product Features



Compatible with multiple platforms

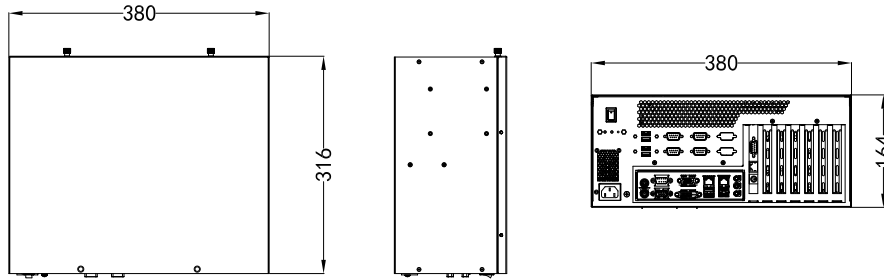


7 x expansion slot



All IO ports on the same plane

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

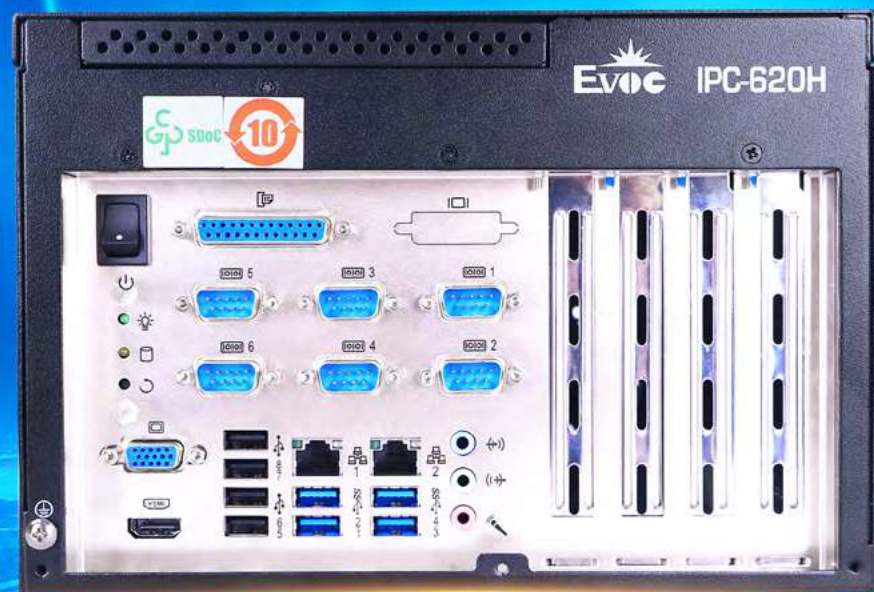
Item	Description
Motherboard	Compatible with EC0/ECS series motherboards
Memory	2 x 3.5-inch shock-absorbing hard disk bay
I/O Port	Power switch, reset switch, power supply and hard disk indicator
Power Supply	1U small power supply
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	380mm×164mm×316mm Supported expansion card length ≤270mm

Ordering Information

Part No.	Model	Description
0020-066461	IPC-6207/EC0-1816/250W	H61 platform motherboard/250W power supply/2 x COM, 4 x USB, 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI+1 x PCIEX4+1 x PCIEX16 Note: As PCIe x4 slot shares resources with LAN2, the LAN2 LAN port has no function when inserting a PCIe x4 card.
0020-066451	IPC-6207/EC0-1817/250W	H81 platform motherboard/250W power supply/2 x COM, 4 x USB, 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI + 2 x PCIEX1 + 1 x PCIEX16
0020-066441	IPC-6207/EC0-1818/250W	H110 platform motherboard/250W power supply/2 x COM, 4 x USB, 2 x Gigabit LAN port, VGA+HDMI, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI+1 x PCIEX4+1 x PCIEX16
0020-066761	IPC-6207/EC0-1818-C236/250W	C236 platform motherboard/250W power supply/2 x COM, 4 x USB, 2 x Gigabit LAN port, supports any three displays (VGA, HDMI, DVI-D, DP), 1 group of audio ports, 1 x PS2; expansion: 2 x PCI + 3 x PCIEX4 (X8 connector) + 2 x PCIEX16 (see the product manual for details)
0020-066431	IPC-6207/EC0-1820/250W	H310 platform motherboard/250W power supply/2 x COM, 4 x USB, 2 x Gigabit LAN port, any two-out-of-four display (VGA, HDMI, DVI-D, DP), 1 group of audio ports, expansion: 5 x PCI + 1 x PCIEX4, 1 x PCIEX16
0020-067031	IPC-6207/EC0-1821/250W	C246 platform motherboard/250W power supply/2 x COM, 2 x Gigabit LAN port, 8 x USB, any three-out-of-four display (VGA, DVI-D, DP, HDMI), 1 group of audio ports, expansion: 2 x PCI + 3 x PCIe x4 + 2 x PCIe x16 (When two PCIe*16 slots are inserted at same time, the speed is reduced to the speed of PCIe*8)
0010-143531	IPC-6207/ECO-1816/i5-3550/4G/1T/250W	H61 platform motherboard/i5-3550/4G memory/1T hard disk/250W power supply/6 x COM, 8 x USB, 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports and 1 x PS2; expansion: 4 x PCI + 1 x PCIEX4 + 1 x PCIEX16 Note: As PCIe x4 slot shares resources with LAN2, the LAN2 port has no function when inserting a PCIe x4 card.
0010-143541	IPC-6207/EC0-1817/i5-4570/4G/1T/250W	H81 platform motherboard/i5-4570/4G memory/1T hard disk/250W power supply/6 x COM, 8 x USB, 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports and 1 x PS2; expansion: 4 x PCI + 2 x PCIEX1+1 x PCIEX16
0020-067711	IPC-6207/EC0-1823/350W	Q470E platform motherboard/350W power supply/1 x COM, 8 x USB, 2 x Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 x PCI, 2 x PCIe x16 and 3 x PCIe x4
0020-067511	IPC-6207/EC0-1826/350W	Q670E platform motherboard/ATX350W power supply/1 x COM port/8 x USB/2 x Gigabit LAN port/VGA+DP+HDMI2.0 three-display/MIC-IN/LINE-OUT /1 x PCI, 1 x PCIe3.0 x4, 3 x PCIe4.0 x4, 1 x PCIe4.0 x16 and 1 x PCIe4.0 x16 (x8 link) Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8
0010-190041	IPC-6207/EC0-1826/i5-12500/8G/1T/350W	Q670E platform motherboard/i5-12500/8G memory/1T hard disk/ATX 350W power supply/6 x COM port/8 x USB/2 x Gigabit LAN port/VGA+DP+HDMI2.0 three-display/MIC-IN/LINE-OUT /1 x PCI, 1 x PCIe3.0 x4, 3 x PCIe4.0 x4, 1 x PCIe4.0 x16 and 1 x PCIe4.0 x16 (x8 link) Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EXCELLENT EXPANSION PERFORMANCE BORN FOR MACHINE VISION



Small Compact Wall-mounted Complete PC

IPC-620H

Hardcore

Industrial-grade design
Sturdy and durable, with long
service life

Chip Matched

H81, H110 and H310 platform
motherboards, free choice

Big Coverage

Abundant IO ports
Flexibility in matching

Easy Maintenance

Clamshell-type design
Easy maintenance and
management

Guaranteed

Famous brand of EVOC
Quality Assurance

EXTREMELY COMPACT HIGH PERFORMANCE EXCELLENT EXPANSION STRONG STRENGTH



Seven-slot Compact Wall-mounted Complete PC

IPC-6207

Compact Size

Maintain high performance
at compact sizes

Diversity & Compatibility

Supports multiple platforms
Intel multi-generation processor

Abundant Ports

Multiple IO ports
Flexibility in matching

Flexible Expansion

Supports 7 x expansion slots

Simple Operation

All ports
are at the same plane

IPC-630B

Small Compact Wall-mounted Chassis

IPC-630B is a small and compact wall-mounted chassis, which can be installed with EC9 and ECS series motherboards. It has the characteristics of compact size, high performance and high cost performance. The expansion slot on the single board can be used to directly expand the full-height half-length application card without an adapter board, and it still has good expansion performance under a small size. The chassis adopts a miniaturized design, which can meet the needs of installation in a narrow space. Main application fields: highways, self-service terminals, automatic production and testing.



Product Features



Small size, strong expansion

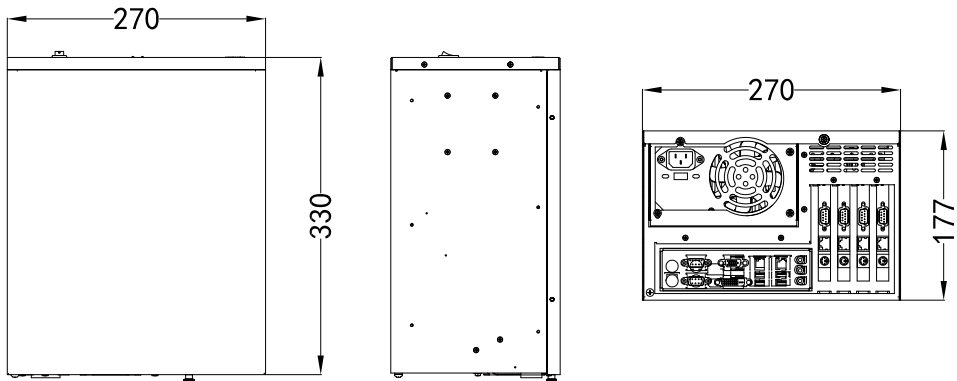


Supports ATX power supply



Compatible with installation of standard 3.5-inch hard disk

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	Compatible with EC9/ECS series motherboards
Memory	1 x 3.5-inch shock-absorbing hard disk bay and 1 x 2.5-inch shock-absorbing hard disk bay
I/O Port	Front panel of chassis: power switch, reset switch, power supply and hard disk indicator light, 2 x USB2.0
Power Supply	Standard ATX power supply
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	270mm×177mm×330mm Supported expansion card length ≤270mm

Ordering Information

Part No.	Model	Description
0010-120931	IPC-630B/EC9-1501-ZX/C4580/4G/1T/250W	ZX-C4580 processor/4G memory/1T 3.5" hard disk/ATX 250W power supply/IO port: Front 2 x USB2.0, rear 2 x USB2.0/2 x USB3.0/2 x COM, supporting RS232\RS422\RS485 mode/VGA+DVI-D/2 x LAN port/1 x PS/2/1 x audio port: MIC-IN/LINE-IN/LINE-OUT; expansion: 2 x PCI + 1 x PCIEX4 + 1 x PCIEX16
0020-062971	IPC-630B/EC9-1501-ZX/C4580/250W	ZX-C4580 processor/no memory/no hard disk/ATX 250W power supply/IO port: Front 2 x USB2.0, rear 2 x USB2.0/2 x USB3.0/2 x COM, supporting RS232\RS422\RS485 mode/VGA+DVI-D/2 x LAN port/1 x PS/2 /1 x audio port: MIC-IN/LINE-IN/LINE-OUT; expansion: 2 x PCI + 1 x PCIEX4 + 1 x PCIEX16

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-310

4U Standard Rack-mounted Chassis

IPC-310 is a 4U rack-mounted chassis equipped with an EC0 series industrial motherboard and standard ATX PS/2 power supply. It supports 2 x 3.5-inch HDD space. The classic design of the front panel includes 2 x USB port, a status indicator light and a rocker switch. The product can be widely used in industrial control, environmental monitoring, intelligent manufacturing, safety inspection, petroleum and petrochemicals, financial self-service and other fields.



Product Features



4U standard rack-mounted

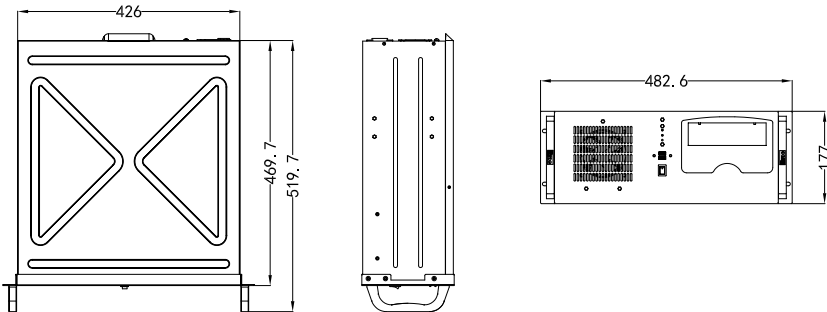


Equipped with ATX motherboard



Standard ATX power supply

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	ATX motherboard
Memory	2 x 3.5-inch shock-absorbing hard disk bay
Front Panel	Power switch, reset switch, power and hard disk indicator light, 2 x USB port
Power Supply	Standard ATX power supply
Working Temperature	0°C~40°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	482.6 mm×177 mm×469.7 mm

Ordering Information

Part No.	Model	Description
0020-065691	IPC-310/EC0-1816/250W	H61 platform motherboard/250W power supply/no sound card/no CPU radiator/2 x USB2.0 in the front of the chassis, rear port: VGA+DVI-D, 2 x Gigabit LAN port (using Realtek LAN card chips), 4 x USB2.0, 2 x COM, supporting RS232/422/485 adjustable, 1 x PS2/expansion bus: 4 x PCI, 1 x PCIE×16 and 1 x PCIE×4 (actual wiring speed ×1)
0020-065941	IPC-310/EC0-1818(E)/250W	H110 platform motherboard/250W power supply/no CPU radiator/2 x USB2.0 in front of the chassis, rear port: VGA+HDMI, 2 x Gigabit LAN port (1 x Intel I219, 1 x Realtek RTL8111H), 4 x USB3.0, 2 x COM, supporting RS232/422/485 adjustable, 1 x PS2, adopting ALC sound card scheme and supporting MIC-IN/LINE-OUT/expansion bus: 4 x PCI, 1 x PCIE×16, 1 x PCIE×4
0020-067651	IPC-310/EC0-1820/250W	H310 platform motherboard/250W power supply/no CPU radiator/2 x USB2.0 in front of the chassis, rear port: 2 x COM, 4 x USB, 2 x Gigabit LAN port (Intel LAN port chip), VGA/HDMI/DVI-D/DP any dual display, 1 group of audio ports, 1 x PS2, 4 x PCI, 1 x PCIE×4 and 1 x PCIE×16
0010-167971	IPC-310/EC0-1818(E)/I5-6500/8G/1T/250W	H110 platform motherboard/I5-6500/8G/1T/250W/2 x USB2.0 in front of the chassis, rear port: VGA+HDMI, 2 x Gigabit LAN port, 4 x USB3.0, 6 x COM (among which COM1 and COM2 support RS232/422/485 adjustable), 1 x PS2, 1 group of audio ports, supporting MIC-IN/LINE-IN/LINE-OUT/expansion bus: 4 x PCI, 1 x PCIE×16, 1 x PCIE×4
0010-167981	IPC-310/EC0-1816(H)/I5-3550/8G/1T/250W	H61 platform motherboard/I5-3550/8G/1T/250W/no sound card/2 x USB2.0 port in front of the chassis, and IO port on the rear motherboard: VGA+DVI-D, 2 x Gigabit LAN port (using Realtek LAN card chips), 4 x USB2.0, 6 x COM (COM1 and COM2 support RS232/422/485 adjustable), 1 x PS2/expansion bus: 4 x PCI/1 x PCIE×16/1 x PCIE×4 (actual wiring speed ×1)
0010-192911	IPC-310/EC0-1820/I5-8500/8G/1T/250W	H310 platform motherboard/I5-8500 processor/8G memory/1T hard disk/250W power supply/6 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, VGA/HDMI/DVI-D/DP any dual display, 1 group of audio ports, 1 x PS2, 4 x PCI, 1 x PCIE×4, 1 x PCIE×16
0020-068161	IPC-310/EC0-1827/300W	Q470 motherboard/300W power supply/no CPU radiator Front: 2 x USB2.0 Rear: 1 x COM, 4 x USB3.0, 2 x USB2.0, 2 x LAN port, VGA+HDMI+DVI-D three displays, 1 x PS2, 1 group of audio ports Expansion bus: 1 x PCIE×16 (default) or 2 x PCIE×8 3 x PCIE × 4, 2 x PCI, 1 x Mini PCIE (WIFI + 4G, 1 x SIM card slot)
0020-068171	IPC-310/EC0-1828/300W	H610 motherboard/300W power supply/no CPU radiator Front: 2 x USB2.0 Rear: 1 x COM, 4 x USB3.0, 2 x USB2.0, 2 x LAN port, VGA+HDMI+DVI-D three displays, 1 x PS2, 1 group of audio ports Expansion bus: 1 x PCIE×16, 3 x PCI and 3 x PCIE×4 (X2 signal)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-710

4U Standard Rack-mounted Chassis

IPC-710 is a new 4U rack-mounted chassis launched by EVOC, and the only difference between it and the IPC classic series of IPC-810E is that the front panel is different; With the same identity, quality, production process, and internal structure as IPC-810E, the product with a new shape can be compatible with various full-series full-length cards and industrial motherboards such as EPI, EPE, EC7, EC9, EC0 and ECS of the company. As a classic 4U rack-mounted chassis, the product can be widely used in intelligent manufacturing, industrial automation, petroleum and petrochemicals, finance, electricity, transportation and other fields.



Product Features



4U standard rack-mounted

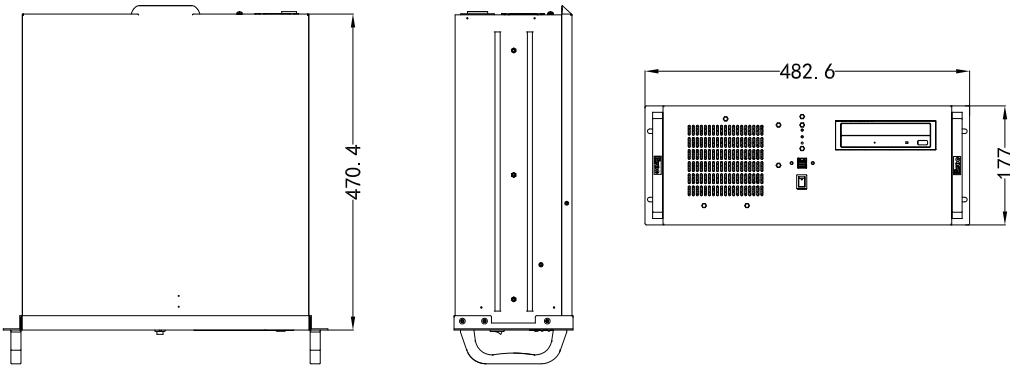


Excellent heat dissipation



Excellent EMC performance

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	ATX motherboard
Storage	1 x 5.25" CD-ROM space 2 x 3.5" HDD space (with shock absorption) 1 x 3.5" HDD space (without shock absorption)
I/O Port	Power switch, reset switch, power supply and hard disk indicator; 2 x USB port in front
Power Supply	Standard ATX power supply
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	482.6mm×177mm×470.4mm

Ordering Information

Part No.	Model	Description
0020-062061	IPC-710/EC9-1501-ZX/C4580/250W	ZX C4580 motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2; expansion: 2 x PCI, 1 x PCIEX4, 1 x PCIEX16 (actual rate X8)
0020-062081	IPC-710/EC0-1816V2NA	H61 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2; expansion: 5 x PCI, 1 x PCIEX4 (actual rate X1), 1 x PCIEX16
0020-064121	IPC-710/ECO-1816-6COM/250W	H61 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DV-D, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI, 1 x PCIEX4 and 1 x PCIEX16
0020-062091	IPC-710/EC0-1817V2NA	H81 platform motherboard/250W power supply/2 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI, 2 x PCIEX4 (actual rate X1), 1 x PCIEX16
0020-065761	IPC-710/EC0-1818/250W	H110 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, VGA+HDMI, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI, 1 x PCIEX4 and 1 x PCIEX16
0020-066751	IPC-710/EC0-1818-C236/250W	C236 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, supporting any three displays (VGA, HDMI, DVID, DP), 1 group of audio ports, 1 x PS2; expansion: 2 x PCI, 3 x PCIEX4 (X8 connector), 2 x PCIEX16 Note: If two PCIEX16 slots are used at the same time, the speed will be reduced to PCIEX8
0020-066421	IPC-710/EC0-1820/250W	H310 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, any two-out-of-four display (VGA, HDMI, DVID, DP), 1 group of audio ports, expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0020-066411	IPC-710/EC0-1822/350W	H420E platform motherboard/350W power supply/2 x COM, 8 x USB (2 front and 6 rear), 2 x Gigabit LAN port, VGA+DP, 1 group of audio ports, expansion: 4 x PCI, 2 x PCIEX4 (actual rate X1), 1 x PCIEX16
0020-067491	IPC-710/EC0-1826/300W	Q670E platform motherboard/300W power supply/1 x COM, 10 x USB, 2 x Gigabit LAN port, VGA+DP+HDMI2.0 three-display, 1 group of audio ports/1 x PCI, 1 x PCIe3.0 x4, 3 x PCIe4.0 x4, 1 x PCIe4.0 x16, 1 x PCIe4.0 x16 (x8 link) Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-810E

4U Standard Rack-mounted Chassis

IPC-810E is a 4U rack-mounted chassis made of high-quality steel plate and compatible with various full-length cards and industrial motherboards such as EPE, EC9 and ECO. A 5.25" CD-ROM and two 3.5" shock-absorbing hard disk bays can be installed, with reasonable structure. It can be widely used in various fields such as communication, network, finance, electric power, transportation and industrial automation.



Product Features



4U standard rack-mounted

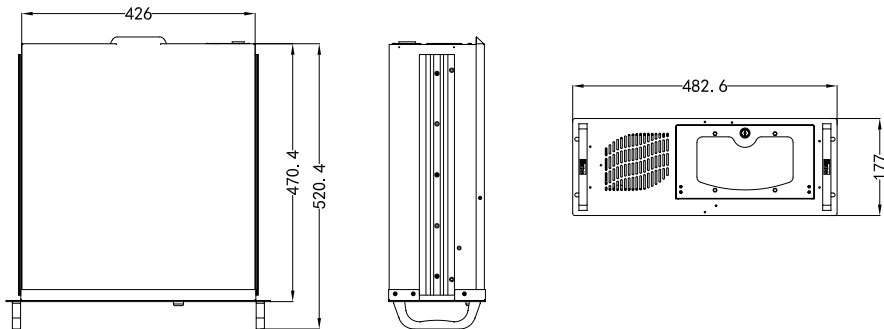


Compatible with various motherboards



Super EMC performance

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	EPE full-length card and ATX motherboard
Adaptive Backplane	EPE series backplane
Memory	1 x 5.25-inch CD-ROM bay; 2 x 3.5-inch shock-absorbing hard disk bay; 1 x 3.5-inch HDD space (without vibration reduction)
I/O Port	Power switch, reset switch, power supply and hard disk indicator; 2 x USB port in front
Power Supply	Standard ATX power supply
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	482.6 mm×177 mm×470.4 mm

Ordering Information

Part No.	Model	Description
0020-063911	IPC-810/ECO-1816/250W	H61 platform motherboard/250W power supply/VGA+DVI-D, 2 x Gigabit LAN port, 6 x USB (2 front and 4 rear), 2 x COM, 1 group of audio ports, 1 x PS2; expansion: 4 x PCI, 1 x PCIEX4 and 1 x PCIEX16 Note: As PCIE x4 slot shares resources with LAN2, the LAN2 port has no function when inserting a PCIE x4 card.
0010-140561	IPC-810E/ECO-1816/G1620/4G/1T/250W	H61 platform motherboard/G1620/4G memory/1T hard disk/250W power supply/VGA+DVI-D, 2 x Gigabit LAN port, 6 x USB (2 front and 4 rear), 6 x COM port, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16 Note: As PCIE x4 slot shares resources with LAN2, the LAN2 LAN port has no function when inserting a PCIE x4 card.
0020-061731	IPC-810/ECO-1817-6COM/250W	H81 platform motherboard/250W power supply/2 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2, 1 x LPT, expansion: 4 x PCI, 2 x PCIEX1 (PCIEX4 slots) and 1 x PCIEX16
0010-085381	IPC-810E/ECO-1817-G1820-4G-1T-250W No optical drive	H81 platform motherboard/G1820/4G memory/1T hard disk/250W power supply/6 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2, 1 x LPT, expansion: 4 x PCI, 2 x PCIEX1 (PCIEX4 slots) and 1 x PCIEX16
0020-063431	IPC-810/ECO-1818(C)/250W	H110 platform motherboard/250W power supply/2 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+HDMI, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-127031	IPC-810E/ECO-1818(C)/G3900/4G/1T/250W	H110 platform motherboard/G3900/4G memory/1T hard disk/250W power supply/6 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+HDMI, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16
0020-064471	IPC-810/ECO-1820(B)/250W	H310 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, any two-out-of-four display (VGA, HDMI, DVID, DP), 1 group of audio ports, 1 x PS2, expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-140681	IPC-810E/ECO-1820(B)/G4900/4G/1TB/250W	H310 platform motherboard/G4900/4G memory /1T hard disk /250W power supply/6 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, any two-out-of-four display (VGA, HDMI, DVI-D, DP), 1 group of audio ports, 1 x PS2, expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0020-065711	IPC-810/ECO-1820(C)/250W	H310 platform motherboard/250W power supply/2 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, any two-out-of-four display (VGA, HDMI, DVID, DP), 1 group of audio ports, 1 x PS2, expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Ordering Information

Part No.	Model	Description
0020-064981	IPC-810/EC0-1821/300W	C246 platform motherboard/300W power supply/2 x COM/2 x Gigabit LAN port/8 x USB (2 front and 6 rear)/any three-out-of-four display (VGA, DVID, DP, HDMI), 1 group of audio ports; expansion: 2 x PCI, 3 x PCIe x4, 2 x PCIe x16; 1 x M.2 KEY M port (PCIe X4, supporting sizes 2242/2260/2280/22110); 1 x M.2 KEY E port (PCIe X1, supporting size 2230) Note: When two PCIe*16 slots are inserted at same time, the speed is reduced to the speed of PCIe*8
0010-151371	IPC-810E/EC0-1821/i7-8700/8G/1T/300W	C246 platform motherboard/i7-8700/8G memory/1T hard disk/300W power supply/6 x COM/2 x Gigabit LAN port/8 x USB (2 front and 6 rear)/any three-out-of-four display (VGA, DVI-D, DP, HDMI), 1 group of audio ports; expansion: 2 x PCI, 3 x PCIe x4, 2 x PCIe x16; 1 x M.2 KEY M port (PCIe X4, supporting sizes 2242/2260/2280/22110); 1 x M.2 KEY E port (PCIe X1, supporting size 2230) Note: When two PCIe*16 slots are inserted at same time, the speed is reduced to the speed of PCIe*8
0020-065581	IPC-810/EC0-1822/300W/ barebone system	H420E platform motherboard/300W power supply/2 x COM, 8 x USB (2 front and 6 rear), 2 x Gigabit LAN port, VGA+DP, 1 group of audio ports, expansion: 4 x PCI, 2 x PCIeX4 (actual rate X1), 1 x PCIeX16
0010-153571	IPC-810E/EC0-1822/i5-10500E/8G/1T/300W	H420E platform motherboard/i5-10500E/8G memory/1T hard disk/300W power supply/6 x COM, 8 x USB (2 front and 6 rear), 2 x Gigabit LAN port, VGA+DP, 1 group of audio ports, expansion: 4 x PCI, 2 x PCIeX4 (actual rate X1), 1 x PCIeX16
0020-066471	IPC-810/EC0-1823-03/300W	Q470E platform motherboard/300W power supply/1 x COM, 10 x USB (2 front and 8 rear), 2 x Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 x PCI, 2 x PCIe x16, 3 x PCIe x4 Note: When two PCIe*16 slots are used at same time, the speed is reduced to the speed of PCIe*8
0010-169231	IPC-810E/EC0-1823-03/i5-10500/8G/1T/300W	Q470E platform motherboard/i5-10500/8G memory/1T hard disk/300W power supply/6 x COM, 10 x USB (2 front and 8 rear), 2 x Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 x PCI, 2 x PCIe x16, 3 x PCIe x4 Note: When two PCIe*16 slots are used at same time, the speed is reduced to the speed of PCIe*8
0010-169241	IPC-820/EC0-1823-03/i7-10700/16G/1T/256G	Q470E platform motherboard/i7-10700/16G memory /1T hard disk +256G SSD/300W power supply/6 x COM, 10 x USB (2 front and 8 rear), 2 x Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 x PCI, 2 x PCIeX16, 3 x PCIeX4
0010-176481	IPC-810E/EC0-1825/i5-12500/8G/1T/300W	H610E platform motherboard/i5-12500/8G memory/1T hard disk/ATX 300W power supply/2 x Gigabit LAN port/6 x COM port/8 x USB/VGA+HDMI+DVI-D three-display/1 group of audio ports, supporting MIC-IN/LINE-OUT/expansion ports: 4 x PCI, 1 x PCIe4.0 x16, and 2 x PCIe3.0 x4 (attention shall be paid to the signal matching of PCIe x4)
0020-066901	IPC-810/EC0-1825/300W	H610E platform motherboard/ATX300W power supply/2 x Gigabit LAN port/2 x COM port/8 x USB/VGA+HDMI+DVI-D three-display/1 group of audio ports, supporting MIC-IN/LINE-OUT/expansion ports: 4 x PCI, 1 x PCIe4.0 x16 and 2 x PCIe3.0 x4 (attention shall be paid to the signal matching of PCIe x4)
0010-190031	IPC-810E/EC0-1826/i3-13100/8G/1T/300W	Q670E platform motherboard/i3-13100/8G memory/1T hard disk/ATX 300W power supply/2 x Gigabit LAN port/6 x COM/10 x USB/VGA+DP+HDMI2.0 three-display/1 group of audio ports/expansion ports: 1 x PCI, 1 x PCIe3.0 x4, 3 x PCIe4.0 x4, 1 x PCIe4.0 x16 and 1 x PCIe4.0 x16 (x8 link) Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8
0020-067501	IPC-810/EC0-1826/300W	Q670E platform motherboard/ATX300W power supply/2 x Gigabit LAN port/1 x COM port/10 x USB/VGA+DP+HDMI2.0 three-display/MIC-IN/LINE-OUT /1 x PCI, 1 x PCIe3.0 x4, 3 x PCIe4.0 x4, 1 x PCIe4.0 x16 and 1 x PCIe4.0 x16 (x8 link) Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8
0020-061451	IPC-810 barebone system /EPE-1816/EPE-6112E5/250W without optical drive	H110 platform motherboard/250W power supply/EPE-6112E5 (6 x PCI, 4 x PCIe*4, 1 x PCIe*16)/2 x LAN port, DP+VGA, 4 x USB (2 front and 2 rear), 2 x COM, 1 x audio port (accessory), 1 x PS2
0010-119761	IPC-810E/EPE-1816/i5-6500/4G/1TB/300W No optical drive	H110 platform motherboard/i5-6500/4G memory/1T hard disk/ATX 300W power supply/EPE-6112E5 (6 x PCI, 4 x PCIe*4, 1 x PCIe*16)/2 x LAN port, DP+VGA, 4 x USB (front 2 and rear 2), 2 x COM, 1 x audio port (accessory), 1 x PS2
0020-061441	IPC-810 barebone system /EPE-1816/EPE-6110E5/250W without optical drive	H110 platform motherboard/250W power supply/EPE-6110E5(V) (4 x PCI, 4 x PCI-E×1 (actually only 2 can be used), 1 x PCI-E×16)/2 x LAN port, DP+VGA, 4 x USB (2 front and 2 rear), 2 x COM, 1 x audio port (accessory), and 1 x PS2
0020-059051	IPC-810 barebone system /EPE-1815V2NA-H61/250W power supply	H61 platform motherboard/250W power supply/EPE-6110E5(V) (4 x PCI, 4 x PCI-E×1 (actually only 2 can be used), 1 x PCI-E×16)/2 x LAN port, 1 x VGA, 4 x USB (2 front and 2 rear), 2 x COM, 1 x LPT, 1 x audio port (accessory), 1 x PS2

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

PERFORMANCE POWERHOUSE
WITH VERSATILE COMPATIBILITY
INDUSTRY BENCHMARK THAT
MEETS DEMANDS WITH EASE



4U Standard Rack-mounted Chassis

IPC-860

- Diversity & Compatibility

Compatible with three types of motherboards and 4 x pull-out hard disk
- Abundant Ports

Abundant IO ports
Flexibility in matching
- Flexible Expansion

Supports full-height and full-length direct plug-in expansion
- Professional Heat Dissipation

High-power fan to direct heat dissipation
- Safe & Reliable

Professional anti-electromagnetic interference and radiation protection

IPC-820

4U Standard Rack-mounted Chassis

IPC-820 is a 4U rack-mounted chassis compatible with various full-length cards and industrial motherboards such as EPE, EC9 and ECO. It has a built-in high-speed air intake fan with good heat dissipation, vibration resistance and EMC performance. The front panel is made of sheet metal, and the chassis is made of high-quality steel plate. The integrated lock protection system for chassis and door panels can also avoid the intrusion of unauthorized personnel. It can be widely used in various fields such as communication, network, finance, electric power, transportation and industrial automation.



Product Features



4U standard rack-mounted



Supports multiple motherboards

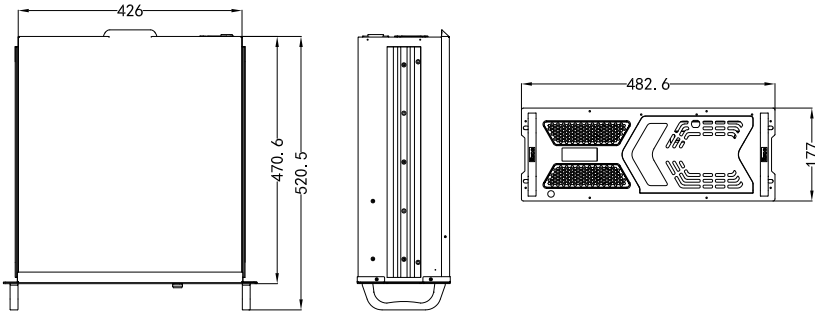


Super EMC performance



Easy replacement of dustproof mesh

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	EPE full-length card and ATX motherboard
Backplane	EPE series backplane
Memory	1 x 5.25-inch CD-ROM bay, 2 x 3.5-inch shock-absorbing hard disk bay
I/O Port	Power switch, reset switch, power supply and hard disk indicator; 2 x USB port in front
Power Supply	Standard ATX power supply
Working Temperature	0°C~50°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	482.6 mm×177 mm×470.4 mm

Ordering Information

Part No.	Model	Description
0010-140551	IPC-820/ECO-1816/G2130/4G/1T/250W	H61 platform motherboard/G2130/4G memory/1T hard disk/250W power supply/VGA+DVI-D, 2 x Gigabit LAN port, 6 x USB (2 front and 4 rear), 6 x COM port, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4 and 1 x PCIEX16 Note: As PCIE x4 slot shares resources with LAN2, the LAN2 port has no function when inserting a PCIE x4 card.
0010-098921	IPC-820/EC01817-6COM/G3430/4G/1T/250W	H81 platform motherboard/G3430/4G memory/1T hard disk/250W power supply/6 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2, 1 x LPT, expansion: 4 x PCI, 2 x PCIEX1 (PCIEX4 slots) and 1 x PCIEX16
0010-127011	IPC-820/EC0-1818(C)/G3900/4G/1T/250W	H110 platform motherboard/G3900/4G memory/1T hard disk/250W power supply/6 x COM, 6 x USB port (2 front and 4 rear), 2 x Gigabit LAN port, VGA+HDMI, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-140691	IPC-820/EC0-1820(B)/I7-9700/4G/1TB/300W	H310 platform motherboard/I7-9700/4G memory/1T hard disk/300W power supply/6 x COM, 6 x USB (2 front and 4 rear), 2 x Gigabit LAN port, any two-out-of-four display (VGA, HDMI, DVI-D, DP), 1 group of audio ports, 1 x PS2, 1 x LPT, expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-153581	IPC-820/EC0-1822/i7-10700E/8G/1T/300W	H420E platform motherboard/i7-10700E/8G memory/1T hard disk/300W power supply/6 x COM, 8 x USB (2 front and 6 rear), 2 x Gigabit LAN port, VGA+DP, 1 group of audio ports, expansion: 4 x PCI, 2 x PCIEX4 (actual rate X1), 1 x PCIEX16
0010-169241	IPC-820/EC0-1823-03/I7-10700/16G/1T/256G	Q470E platform motherboard/i7-10700/16G memory /1T hard disk +256G SSD/300W power supply/6 x COM, 10 x USB (2 front and 8 rear), 2 x Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 x PCI, 2 x PCIEx16, 3 x PCIEx4 Note: When two PCIE*16 slots are used at same time, the speed is reduced to the speed of PCIE*8
0010-176491	IPC-820/EC0-1825/i7-12700/8G/1T/300W	H610E chipset/i7-12700/8G memory/1T hard disk/ATX 300W power supply/2 × Gigabit LAN port/6 × COM port/8 × USB/VGA+HDMI+DVI-D three-display/MIC-IN/LINE-OUT/4 × PCI, 1 × PCIE4.0 x16 and 2 × PCIE3.0 x4 (attention shall be paid to the signal matching of PCIE x4)
0010-096921	IPC-820/EPE-1816/I3-6100/4G/500G/300W without optical drive	H110 platform motherboard/I3-6100/4G memory/500G hard disk/300W power supply/EPE-6110E5(V) (4 × PCI, 4 × PCI-E × 1 (actually only 2 can be used), 1 × PCI-E × 16)/2 × LAN port, DP+VGA, 1 × PS2, 4 × USB (2 front and 2 rear), 2 × COM and 1 × audio port (accessory)
0010-096941	IPC-820/EPE-1816/I7-6700/4G/1T/300W without optical drive	H110 platform motherboard/I7-6700/4G memory/1T hard disk/300W power supply/EPE-6113E2 (10 × PCI, 1 × PCI-E × 1(×4 slot), 1 × PCI-E × 16)/2 × LAN port, DP+VGA, 1 × PS2, 4 × USB (2 front and 2 rear), 2 × COM and 1 × audio port (accessory)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

IPC-860

4U Standard Rack-mounted Chassis

IPC-860 is a 19" 4U rack-mounted industrial chassis, which is made of high-quality metal steel plates. A high-power fan is used inside to directly dissipate heat from the system, which has good ventilation and heat dissipation performance. It has 4 × 3.5" pull-out type hard disk module, and is equipped with user interactive display module, which has touch function and can realize shutdown, information display, status monitoring, process management, log management, etc. It can be widely used in bank security monitoring system, intelligent building management system (IBMS), integrated security management system (ISMS), integrated traffic management system (ITMS), machine vision, workstation, insurance, securities and other industry recording monitoring systems.



Product Features



Compatible with various motherboards



Compatible with installation of standard 3.5-inch hard disk



Multi-expansion



LCM interaction module

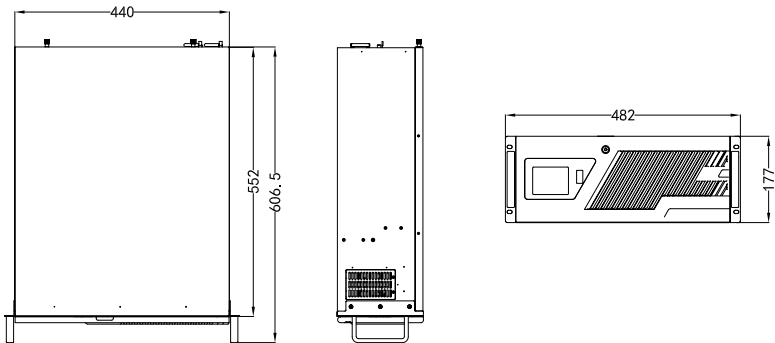


Professional heat dissipation system



Super EMC performance

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Motherboard	EPE full-length card, ATX motherboard, and EATX server motherboard
Processor	Depends on motherboard: SVE-2901 motherboard: supports dual-channel Xeon E5-2600 V3/V4 series processors
Memory	Depends on motherboard: SVE-2901 (dual-channel C612): supports 16 × 288PIN DDR4 slot, supporting up to 512GB DDR4 ECC RDIMM
Backplane	When an EPE series motherboard is used, it can be paired with 10-13-slot standard EPE backplane
Storage	Compatible with two types of hard disk modules: A: 4 × 3.5" pull-out hard disks (without shock absorption) B: 2 × 3.5" pull-out hard disks (shock absorption) Note: The server motherboard is compatible with SAS hard disk installation, and all hard disks are placed in the safety door to ensure data security.
I/O Port	Power switch, reset switch; power supply and hard disk indicator lights; there are 2 × USB2.0 port in the lockable safety door; Rear port: depends on different motherboard configurations
Power Supply	Supports standard PS2 ATX power supply; supports 2U redundant power supply
Working Temperature	ECO/EPE configuration: 0°C~50°C, 5%~90% (non-condensing state) EATX server configuration: 0°C~40°C, 5%~90% (non-condensing state)
Storage Temperature	-20°C~60°C, 5%~90% (non-condensing state)
Overall Dimensions (W×H×D)	482 mm×177 mm×552 mm

Ordering Information

Part No.	Model	Description
0020-066191	IPC-860/SVE-2901VD2N(B)-ES	C612 platform motherboard/supports dual Xeon E5 V3/V4 CPU/16*DDR4 DIMM/motherboard without integrated RAID function/4*3.5" pull-out hard disk cartridge/1 × ultra-thin optical drive/800W+800W redundant power supply/2*GbE/1*COM/1*VGA/6 × USB (front 2 × USB2.0 and rear 4 × USB3.0)/1* full height PCI-E x16, 1* full height PCI-E x8 (2 × CPU: 2* full height PCI-E x16, 4* full height PCI-E x8)
0020-062571	IPC-860/EC0-1818-C236/350W	C236 platform motherboard/350W power supply/2 × Gigabit LAN port (I210)/2*COM/any three display ports among four (onboard VGA, HDMI, DVI-D and DP)/6 × USB (2 front and 4 rear)/1 group of audio ports/ expansion: 2 × PCI+3 × PCIEX4(X8 connector)+2 × PCIEX16 (see the manual for detailed resources)
0020-064991	IPC-860/EC0-1821/600W	C246 platform motherboard/600W power supply/2 × COM/2 × Gigabit LAN port/8 × USB (2 front and 6 rear)/ any three display ports among four (VGA, DVID, DP, HDMI), 1 group of audio ports; expansion: 2 × PCI, 3 × PCIe x4, 2 × PCIe x16; 1 × M.2 KEY M port (PCIe X4, supporting sizes 2242/2260/2280/22110); 1 × M.2 KEY E port (PCIe X1, supporting size 2230) Note: When two PCIe*16 slots are inserted at same time, the speed is reduced to the speed of PCIe*8
0020-066481	IPC-860/EC0-1823-03/600W	Q470E platform motherboard/600W power supply/1 × COM, 10 × USB (2 front and 8 rear), 2 × Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 × PCI, 2 × PCIe x16, 3 × PCIe x4 Note: When two PCIe*16 slots are used at same time, the speed is reduced to the speed of PCIe*8
0020-066491	IPC-860/EC0-1823-03/1000W	Q470E platform motherboard/1000W power supply/1 × COM, 10 × USB (2 front and 8 rear), 2 × Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 × PCI, 2 × PCIe x16, 3 × PCIe x4 Note: When two PCIe*16 slots are used at same time, the speed is reduced to the speed of PCIe*8
0020-066501	IPC-860/EC0-1823-04/1000W	W480E platform motherboard/1000W power supply/1 × COM, 10 × USB (2 front and 8 rear), 2 × Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 × PCI, 2 × PCIe x16, 3 × PCIe x4 Note: When two PCIe*16 slots are used at same time, the speed is reduced to the speed of PCIe*8
0020-067521	IPC-860/EC0-1826/1000W	Q670E platform motherboard/ATX1000W power supply/2 × Gigabit LAN port/1 × COM port/10 × USB/ VGA+DP+HDMI2.0 three-display/MIC-IN/LINEOUT /1 × PCI, 1 × PCIe3.0 x4, 3 × PCIe4.0 x4, 1 × PCIe4.0 x16 and 1 × PCIe4.0 x16 (x8 link) Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1816(F)

ATX Motherboard

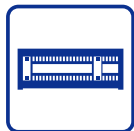
EC0-1816 is an ATX structure developed based on Intel H61 chipset, and supports Ivy bridge/Sandy bridge LGA1155 pin processors; it supports VGA+DVI-D display function, abundant IO ports and PCIe PCI bus expansion, which can be widely used in industrial automation control, automatic detection, safety monitoring, intelligent transportation, communication automation, environmental protection detection and other fields.



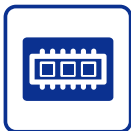
Product Features



10 × USB port

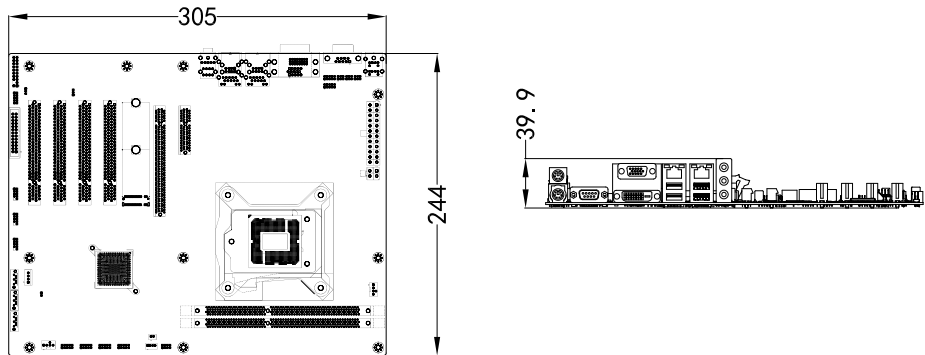


4 × PCI
2 × PCIe
expansion



1 × M.2 port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Ivy bridge/Sandy bridge LGA 1155 pin processors
Chipset	H61
Memory	2 x 240Pin standard DDR3 DIMM memory slot, a single memory supporting 8GB, the two supporting up to 16GB
Display Port	1 × VGA, 1 × DVI-D
Audio	Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup Note: As PCIe x4 slot shares resources with LAN2, the LAN2 port has no function when inserting a PCIe x4 card
Storage	3 × SATA2.0, supporting hot-swap function in AHCI mode
I/O Port	1 × parallel port 6 × serial port, of which COM1 is onboard and supports RS-232/422/RS-485 mode selection 1 × M.2 KEY-B-2280 port 10 × USB2.0 port 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	4 × PCI 1 × PCIe16 1 × PCIe4 (actual x1 signal)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80C
Relative Humidity	5%~95%(non-condensing)
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating Systems	WINXP, WINXPE, WIN7 and LINUX

Ordering Information

Part No.	Model	Description
1030-035821	EC0-1816(F)-I210	ATX motherboard/H61 chipset/supports Ivy Bridge and Sandy Bridge LGA1155 pin processors/2 × DDR3 memory slot/VGA+DVI-D/2 × Gigabit LAN port/3 × SATA2.0/1 × M.2 KEY-B-2280 port/10 × USB2.0/6 × serial port/4 × PCI/1 × PCIe16/1 × PCIe4/1 × LPT/1 × 8-channel GPIO/1 × TPM/1 group of audio ports

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1816(E)

ATX Motherboard

EC0-1816(E) is an ATX structure developed based on Intel H61 chipset, and supports Ivy bridge/Sandy bridge core LGA1155 pin dual-core/quad-core processors; it supports VGA+DVI-D display function and PCIe PCI bus expansion, which can be widely used in industrial automation control, automatic detection, safety monitoring, intelligent transportation, communication automation, environmental protection detection and other fields.



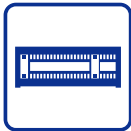
Product Features



10 × USB port

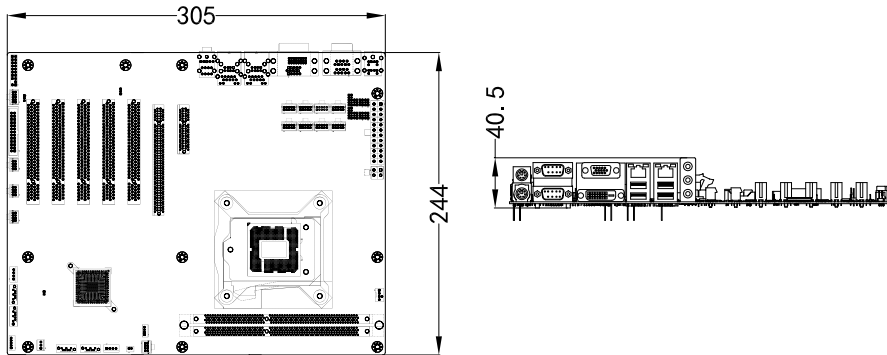


10 × serial port



5 × PCI
2 × PCIe
expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Ivy bridge/Sandy bridge LGA 1155 pin processors
Chipset	H61
Memory	2 x 240Pin standard DDR3 DIMM memory slot, a single memory supporting 8GB, the two supporting up to 16GB
Display Port	1 × VGA, 1 × DVI-D
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA2.0
I/O Port	1 × parallel port 6 × serial port, of which COM1 and COM2 are onboard, supporting RS-232/422/RS-485 mode selection (10 serial port motherboards optional) 10 × USB2.0 port 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	5 × PCI 1 × PCIe16 1 × PCIe4 (actual x1 signal)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Relative Humidity	5%~95% (non-condensing)
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN7、LINUX

Ordering Information

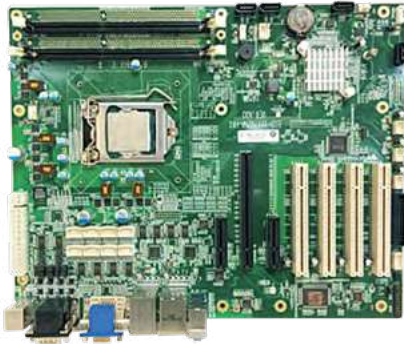
Part No.	Model	Description
1030-030631	EC0-1816(E)-6COM-03	ATX motherboard/Intel H61 chipset/supports Intel Sandy bridge/Ivy bridge LGA1155 processors/2 × DDR3 DIMM memory slot, totally supporting 16GB memory/VGA+DV-D /4 × SATA/2 × Gigabit LAN port/10 × USB2.0/6 × COM port (2 of which support 232/422/485)/1 × parallel port/1 × PS/2/1 group of audio ports/1 × 8-channel GPIO/5 × PCI/1 × PCIe16/1 × PCIe16/1 × TPM port/standard ATX power supply
1030-030661	EC0-1816(E)-10COM-03	ATX motherboard/Intel H61 chipset/supports Intel Sandy bridge/Ivy bridge LGA1155 processors/2 × DDR3 DIMM memory slot, totally supporting 16GB memory/VGA+DV-D /4 × SATA/2 × Gigabit LAN port/10 × USB2.0/10 × COM port (2 of which support 232/422/485)/1 × parallel port/1 × PS/2/1 group of audio ports/1 × 8-channel GPIO/5 × PCI/1 × PCIe16/1 × PCIe16/1 × TPM port/standard ATX power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1817(B)

ATX Motherboard

EC0-1817 (B) is an ATX structure developed based on Intel H81 chipset. It supports the 4th Gen processor packaged by Intel Socket LGA1150, VGA+DVI-D dual display function, abundant IO ports, PCIe and PCI bus expansion. It can be widely used in industrial petrochemical engineering, automatic control, automatic detection, safety monitoring, intelligent transportation, communication automation, environmental protection testing and other fields.



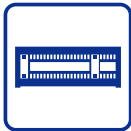
Product Features



10 × USB port

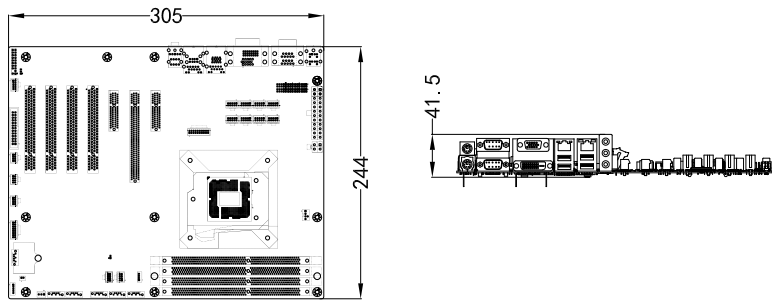


10 × serial port



4 × PCI
3 × PCIe
expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel Haswell LGA 1150 pin 4th Gen processor
Chipset	H81
Memory	2 x 240Pin standard DDR3 DIMM memory slot, a single memory supporting 8GB, the two supporting up to 16GB
Display Port	1 × VGA, 1 × DVI-D
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA2.0
I/O Port	1 × parallel port 10 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 2 × USB 3.0, 8 × USB 2.0 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	4 × PCI 1 × PCIe x16 2 × PCIe x4 (actual x1 signal)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Relative Humidity	5%~95%(non-condensing)
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN7、LINUX

Ordering Information

料号	型号	描述
1030-030741	EC0-1817V2NA(B)-H81-6COM	ATX motherboard/supports Intel Haswell LGA 1150 pin 4th Gen processor/H81 chipset/2 × DDR3 memory slot/VGA+DVI-D/2 × Gigabit LAN port/4 × SATA2.0/10 × USB/6 × serial port/4 × PCI/1 × PCIe x16/2 × PCIe x4 (actually providing X1 signal)/1 × parallel port/1 × 8-channel GPIO/1 × TPM/1 group of audio ports
1030-032371	EC0-1817V2NA(B)-H81	ATX motherboard/supports Intel Haswell LGA 1150 pin 4th Gen processor/H81 chipset/2 × DDR3 memory slot/VGA+DVI-D/2 × Gigabit LAN port/4 × SATA2.0/10 × USB/10 × serial port/4 × PCI/1 × PCIe x16/2 × PCIe x4 (actually providing X1 signal)/1 × parallel port/1 × 8-channel GPIO/1 × TPM/1 group of audio ports

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1818(C)

ATX Motherboard

The EC0-1818(C) motherboard is equipped with Intel's latest generation H110 platform, supports the 6/7th Gen processors, adopts standard ATX motherboard specification, and has the characteristics of optimal cost performance and long supply cycle. The motherboard supports 4 × PCI + 2 × PCIE expansion combinations, 6 × COM port, 10 × USB port, and any two display ports among three (VGA, HDMI, DVI-D). As the company's main product in the next 5-7 years, this product will be widely used in petrochemical engineering, automatic control, automatic detection, safety monitoring, intelligent transportation environmental protection, communication and other fields.



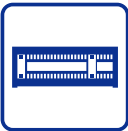
Product Features



Supports Intel 6/7th Gen processors

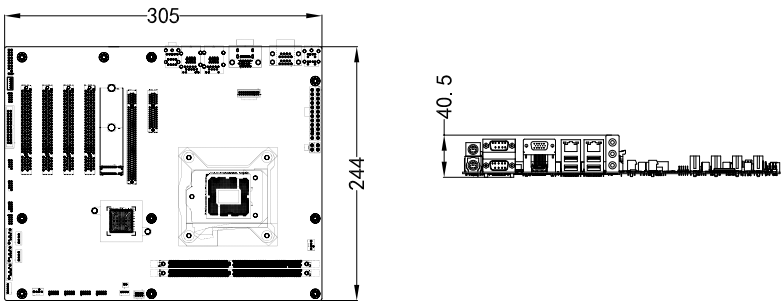


10 × USB port



4 × PCI
2 × PCIE expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA 1151 pin 6/7th Gen processors
Chipset	H110
Memory	2 x DDR4 DIMM memory slot, a single memory supporting 16GB, the two supporting up to 32GB
Display Ports	Any two display ports among VGA, HDMI and DVI-D Among them, VGA+HDMI ports are onboard, and DVI-D uses WAFER socket
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	3 × SATA3.0 and 1 × M.2
I/O Port	1 × parallel port 6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 4 × USB 3.0, 6 × USB 2.0 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	4 × PCI 1 × PCIEx16 1 × PCIEx4
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Relative Humidity	5%~95%(non-condensing)
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN7, WIN10, LINUX

Ordering Information

Part No.	Model	Description
0030-024171	EC0-1818(C)-I210	ATX motherboard / H110 chipset /supports Intel LGA 1151 pin 6/7th Gen processors / 2 × DDR4 DIMM memory slot, supporting up to 32GB memory/VGA+HDMI onboard, 1 × DVI-D pin/3 × SATA3.0 + 1 × M.2/2 × Gigabit LAN port/4 × USB3.0, 6 × USB2.0/6 × serial port/1 × parallel port/1 × PS/2/1 group of audio ports/1 × 8-channel GPIO / 4 × PCI/1 × PCIE x4/1 × PCIE x16/1 × TPM/ standard ATX power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1818-C236

ATX Motherboard

The EC0-1818-C236 motherboard adopts the standard ATX motherboard specification and C236 chipset. It supports PCI+PCIE expansion combination, multiple serial ports and multiple USB ports, featuring long supply cycle and high performance. The product will be widely used in petrochemical engineering, automatic control, automatic detection, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



Product Features



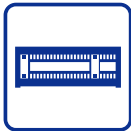
Supports Intel 6/7th Gen processors



Supports 4 × memory slot

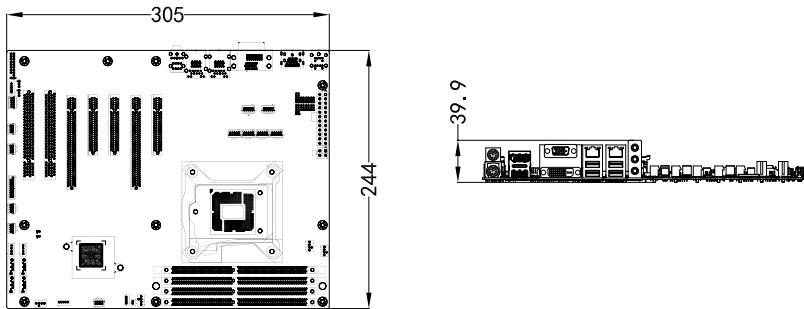


14 × USB port



2 × PCI
5 × PCIE expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA 1151 pin 6/7th Gen processors, and supports Xeon E3-1200 V5/V6 series processors
Chipset	C236
Memory	4 x DDR4 DIMM memory slot, a single memory supporting 16GB, the four supporting up to 64GB
Display Ports	Any three display ports among VGA, HDMI, DVI-D and DP
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA3.0
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 6 × USB 3.0, 8 × USB 2.0 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	2 × PCI 2 × PCIe16 (when PCIe5 slot is occupied, the two PCIe slots adopts PCIe8 speed by default) 3 × PCIe4 (x8 connector is adopted)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating Systems	WIN7、WIN10、Linux、Server2008、Server2010

Ordering Information

Part No.	Model	Description
0030-023911	EC0-1818-C236-I210-01	ATX motherboard/C236 chipset/supports Intel 6th and 7th Gen LGA 1151 pin processors/4 × 288Pin DDR4 DIMM memory slot, supporting up to 64GB memory/any three display ports among four (DP, HDMI, VGA and DVI-D)/4 × SATA3.0/2 × Gigabit LAN port (I210 chip)/14 × USB/6 × RS-232/1 group of audio ports/1 × 8-channel GPIO/2 × PCIE x16/3 × PCIe4 (X8 connector)/2 × PCI

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1820

ATX Motherboard

The EC0-1820 motherboard adopts the standard ATX motherboard specification, Intel H310 chipset, supports the latest Intel 8/9th Gen processors at present, and supports PCI+PCIE expansion combination, multiple serial ports and multiple USB ports. It can be widely used in petrochemical engineering, automatic control, automatic detection, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



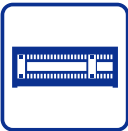
Product Features



Supports Intel 8/9th Gen processors

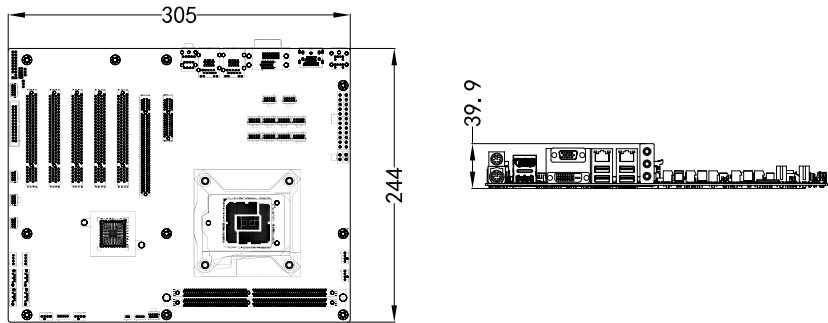


10 × USB



5 × PCI
2 × PCIe expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA 1151 pin 8/9th Gen processors
Chipset	H310
Memory	2 x DDR4 DIMM memory slot, a single memory supporting 16GB, the two supporting up to 32GB
Display Ports	Any two display ports among VGA, HDMI, DVI-D and DP
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA3.0
I/O Port	10 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 4 × USB 3.1, 6 × USB 2.0 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	5 × PCI 1 × PCIe x16 1 × PCIe x4
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN10、Linux

Ordering Information

Part No.	Model	Description
0030-023151	EC0-1820(B)-I210	ATX motherboard / H310 chipset / supports Intel 8/9th Gen processors / 2 × DDR4 DIMM memory slot/any two display ports among four (VGA, HDMI, DVI-D, DP) / 4 × SATA3.0/2 × Gigabit LAN port/10 × USB/10 × RS-232/1 group of audio ports/1 × 8-channel GPIO/expansion: 5 × PCI, 1 × PCIe x4 and 1 × PCIe x16

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1821

ATX Motherboard

EC0-1821 motherboard adopts standard ATX specification, Intel C246 platform and provided with Intel 8/9th Gen processors; it supports PCI+PCIE expansion combination, multiple serial ports, multiple USB ports and SATA RAID 0, 1, 5, 10. The product can be widely used in industrial automation, Internet of Things, self-service terminal, petrochemical engineering, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



Product Features



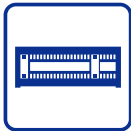
Supports Intel 8/9th Gen processors



Supports 4 × memory slot

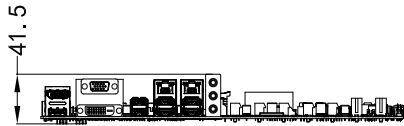
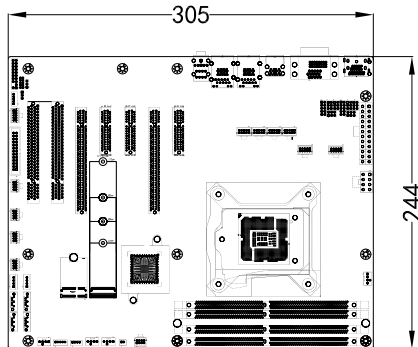


12 × USB port
6 × serial port



2 × PCI
5 × PCIe expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA 1151 pin: 8/9th Gen processors, Xeon E-21xx/E-22xx series processors
Chipset	C246
Memory	4 x DDR4 DIMM memory slot, a single memory supporting 32GB, the four supporting up to 128GB
Display Ports	Any three display ports among VGA, HDMI, DVI-D and DP
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA3.0, supporting RAID 0, 1, 5, 10
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 6 × USB 2.0 port, 4 × USB3.1 GEN2 port (10Gb/s), 2 × USB3.1 GEN1 port (5Gb/s) 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	2 × PCI, 3 × PCIe x4 2 × PCIe x16 (when PCIe5 slot is occupied, the two PCIe slots adopts PCIe8 speed by default) 1 × M.2 KEY M port (PCIe X4, supporting sizes 2242/2260/2280/22110) 1 × M.2 KEY E port (PCIe X1, supporting size 2230)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN10、Linux

Ordering Information

Part No.	Model	Description
0030-023211	EC0-1821-I210	ATX motherboard / C246 chipset / supports Intel 8/9th Gen processors / provides 4 × DDR4 DIMM, supporting expansion up to 128 GB / any three display ports among four (DP, HDMI, VGA and DVI-D) / 4 × SATA3.0, supporting RAID 0,1, 5, 10 / 2 × Gigabit LAN port / 12 × USB / 6 × COM port / 1 group of audio ports / 1 × 8-channel GPIO / 1 × TPM port / 1 × PS2 motherboard built-in pin / expansion ports: 2 × PCI, 3 × PCIe x4, 2 × PCIe x16 / 1 × M.2 KEY M port (PCIe X4, supporting sizes 2242/2260/2280/22110), 1 × M.2 KEY E port (PCIe X1, supporting size 2230) Note: When the two PCIe x16 slots are occupied at same time, the speed will be reduced to the speed of PCIe x8

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1822

ATX Motherboard

The EC0-1822 motherboard adopts standard ATX specification and Intel H420E platform, supports Intel LGA1200 pin 10th Gen processor; provides 2 × DDR4 memory slot; supports PCI +PCIE expansion combination, multiple serial ports and multiple USB ports. The product can be widely used in industrial automation, Internet of Things, self-service terminal, petrochemical engineering, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



Product Features



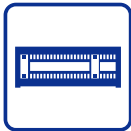
Supports Intel 10th Gen processor



Supports 2 × memory slot

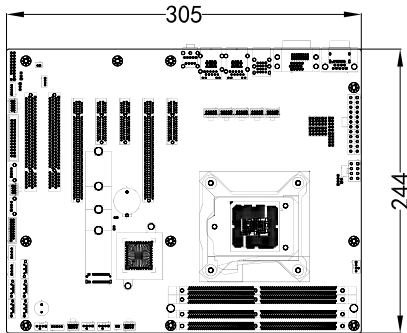


10 × USB port



4 × PCI
3 × PCIe expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA 1200 pin 10th Gen processor; maximum power consumption of processor TDP≤125W
Chipset	H420E
Memory	2 x DDR4 DIMM memory slot, a single memory supporting 32GB, the two supporting up to 64GB
Display Ports	Any two display ports among VGA, DP and DVI-D
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA3.0
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 4 × USB 2.0 port and 6 × USB3.2 GEN1 port 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	4 × PCI 2 × PCIe4 (actual x1 signal) 1 × PCIe16 1 × M.2 KEY M port (PCIe x 2, supporting sizes 2242/2280)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~80°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN10、Linux

Ordering Information

Part No.	Model	Description
0030-023461	EC0-1822	ATX motherboard /H420E chipset/10th Gen LGA1200 pin processor/2 x DDR4 DIMM memory slot, supporting expansion up to 64 GB/any two display ports among VGA, DP, DVI-D/4 × SATA3.0, 1 × M.2 (PCIe3.0 x2 M-key 2280 type)/2 × Gigabit LAN port/6 × USB 3.2 Gen 1, 4 × USB 2.0/6 × COM/1 group of audio ports/1 × 8 bit GPIO/1 × TPM/1 × LPT/1 × LPC/1 × PS2 motherboard built-in/expansion: 4 × PCI, 1 × PCI E x16, 2 × PCIe4 (actually providing the speed of x1)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1823

ATX Motherboard

The EC0-1823 mainboard adopts the standard ATX specification and Intel 470E&W480E chipset, which can support LGA 1200 pin 10/11th Gen processors; provides 4 x DDR4 DIMM memory slot, supporting expansion up to 128 GB; supports high-speed USB 3.2 Gen2 port, 10Gb/S broadband speed; supports PCI+PCIE expansion combination, multiple serial ports and multiple USB ports, and supports AMT remote management function; it can be widely used in industrial automation, machine vision, deep learning, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



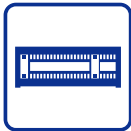
Supports Intel 10/11th Gen processors



AMT remote management

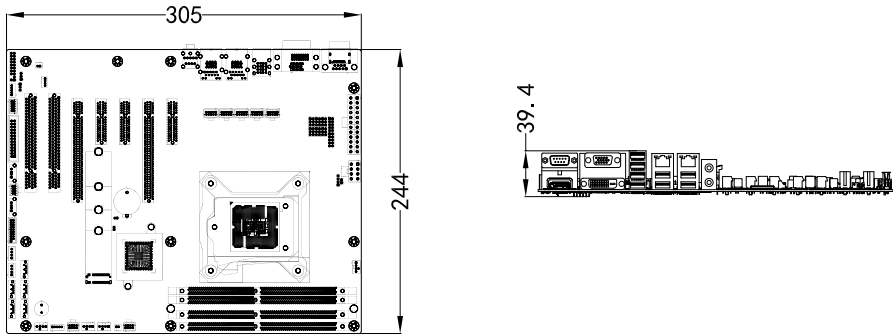


14 × USB port



2 × PCI
5 × PCIe expansion

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Q470E chipset: supports Intel LGA 1200 pin 10/11th Gen processors, with a maximum power consumption of 125W W480E chipset: supports Intel LGA 1200 pin 10/11th Gen processors and Xeon W series processors, with a maximum power consumption of 125W
Chipset	Q470E/W480E
Memory	4 × DDR4 DIMM memory slot, a single memory supporting 32GB, the four supporting up to 128GB
Display Ports	VGA, DVI-D and DP three-display
Audio	Ports Supports MIC-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	5 × SATA3.0, supporting RAID 0, 1, 5, 10
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 8 × USB2.0, 4 × USB3.2 GEN1 (5Gb/s), 2 × USB3.2 GEN1 (10Gb/s) 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	2 × PCI, 3 × PCIe4 2 × PCIe16 (when the two PCIe slots are occupied at same time, PCIe8 speed is used) 1 × M.2 KEY M port (PCIe3.0 X4 and SATA signal)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN10, WINServer 2019, Linux high kernel version

Ordering Information

Part No.	Model	Description
0030-023841	EC0-1823-03	ATX motherboard /Q470E chipset/supports Intel 10/11th Gen processors/provides 4 × DDR4 DIMM memory slot, supporting expansion up to 128GB/VGA+DP+DVI-D three-display/5 × SATA3.0, supporting Raid 0, 1, 5, 10/1 × M.2/2 × Gigabit LAN port/14 × USB/6 × COM/supports MIC-IN/LINE-OUT /1 × 8-channel GPIO/1 × TPM/1 × LPT/1 × LPC/ expansion: 2 × PCI, 2 × PCIe x16 and 3 × PCIe x4
0030-023851	EC0-1823-04	ATX motherboard /W480E chipset/supports Intel LGA1200 pin 10/11th Gen processors, Xeon W series processors/ provides 4 × DDR4 DIMM memory slot, supporting expansion up to 128GB/VGA + DP + DVI-D three-display/5 × SATA3.0, supporting Raid 0, 1, 5, 10/1 × M.2/2 × Gigabit LAN port/14 × USB/6 × COM/supports MICIN/LINE-OUT/1 × 8-channel GPIO/1 × TPM/1 × LPT/1 × LPC/expansion: 2 × PCI, 2 × PCIe x16, 3 × PCIe x4

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1825

ATX Motherboard

EC0-1825 motherboard adopts standard ATX specification and Intel H610E chipset, which can support Intel 12th Gen processor, PCI +PCIE expansion combination, multiple serial ports and multiple USB ports; it can be widely used in industrial automation, machine vision, deep learning, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



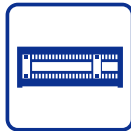
Product Features



Supports Intel 12th Gen processor



Supports HDMI2.0b high-definition display

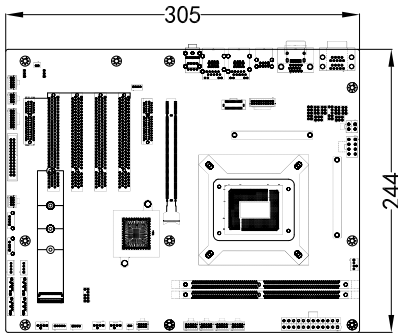


Supports PCIE5.0



Provides 1 × 2500Mbps LAN port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA1700 pin 12th Gen processors, with a maximum power consumption of 125W
Chipset	H610E
Memory	2 x DDR4 DIMM memory slot, a single memory supporting 32GB, the two supporting up to 64GB
Display Ports	VGA, DVI-D, HDMI2.0b three-display
Audio	Ports Supports MIC-IN/LINE-OUT
LAN	1 × 10/100/1000Mbps LAN port 1 × 10/100/1000/2500Mbps LAN port LAN1 supports LAN wakeup
Memory	4 × SATA3.0
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 6 × USB2.0, 4 × USB3.0 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	4 × PCI 1 × PCIe16 (supporting up to PCIe5.0) 1 × PCIe4 (bit number PCIe1, PCIe3.0 x2 signal) 1 × PCIe4 (bit number PCIe2, PCIe3.0 x2 signal or PCIe3.0 x4 signal) 1 × M.2 KEY M port (PCIe3.0 x2 signal, size 2242/2280) Note: As compatible cable design is adopted for M.2 and PCIe2 slot, when M.2 device is not inserted, PCIe2 slot provides PCIe3.0 x4 signal
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	Windows 10 (Windows 10(21H1) and later versions are required), WIN11, high kernel version LINUX system (kernel version 5.15 and above are required)

Ordering Information

Part No.	Model	Description
0030-024141	EC0-1825-01	ATX motherboard / H610E chipset / supports the 12th Gen processor / provides 2 × DDR4 DIMM memory slot, supporting expansion up to 64GB/VGA+HDMI+DVI-D three-display / 4 × SATA3.0 / 1 × M.2 / 2 × Gigabit LAN port / 6 × USB2.0, 4 × USB3.0 / 6 × COM/MIC-IN/LINE-OUT / 1 × 8-channel GPIO / 1 × TPM / 1 × LPT/4 × PCI, 1 × PCIe4.0 x16 and 2 × PCIe3.0 x4 slot (pay attention to PCIe x4 speed signal matching)
0030-024121	EC0-1825-02	ATX motherboard / H610E chipset / supports the 12th Gen processor / provides 2 × DDR4 DIMM memory slot, supporting expansion up to 64GB/VGA+HDMI+DVI-D three-display / 4 × SATA3.0 / 1 × M.2 / 2 × Gigabit LAN port / 6 × USB2.0, 4 × USB3.0 / 6 × COM/MIC-IN/LINE-OUT / 1 × 8-channel GPIO / 1 × TPM / 1 × LPT/4 × PCI, 1 × PCIe5.0 x16 and 2 × PCIe3.0 x4 (pay attention to PCIe x4 speed signal matching)

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC0-1826

ATX Motherboard

The EC0-1826 motherboard adopts the standard ATX specification and Intel Q670E chipset, which can support Intel® 12th/13th Core™ i9/i7/i5/i3 processors; provides 4 × DDR4 Non-ECC U-DIMM memory slot, supporting expansion up to 128GB; supports high-speed USB3.2 Gen2 port, 10Gb/S broadband speed; supports PCI+PCIE expansion combination, multiple serial ports and multiple USB ports, and supports AMT remote management function; the product will be widely used in industrial automation, machine vision, deep learning, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



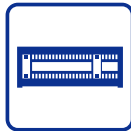
Product Features



Supports Intel 12/13th Gen processors



VGA+DP+HDMI2.0b high definition display

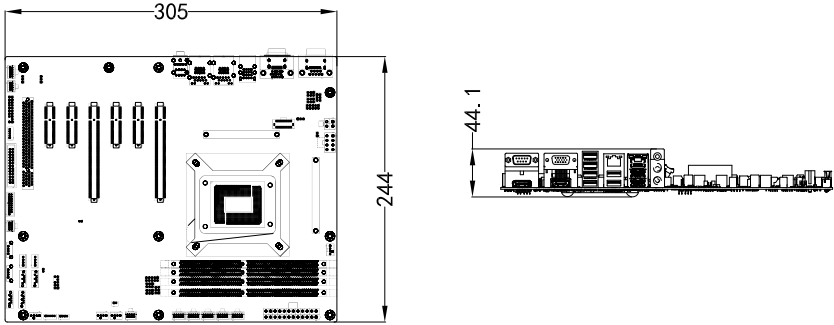


1 × PCI
6 × PCIe expansion



Provides 1 × 2500Mbps LAN port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA1700 pin 12/13th Gen processors, with a maximum power consumption of 125W
Chipset	Q670E
Memory	4 x DDR4 Non-ECC U-DIMM memory slot, a single memory supporting 32GB, the four supporting up to 128GB
Display Ports	VGA, DP and HDMI2.0 three-display
Audio	Ports Supports MIC-IN/LINE-OUT
LAN	1 × 10/100/1000Mbps LAN port 1 × 10/100/1000/2500Mbps LAN port LAN1 can support LAN wakeup function
Memory	4 × SATA3.0, supporting RAID0, 1, 5, 10
I/O Port	6 × serial port, of which COM1/COM2 support RS232/422/485 adjustable COM1 onboard, COM2-6 motherboard built-in Onboard: 2 × USB3.2 Gen2, 2 × USB3.2 Gen1 and 4 × USB2.0 Built-in motherboard: 2 × USB3.2 Gen1, 2 × USB2.0 and 2 × USB2.0 TYPE-A 1 × 8-channel digital I/O port 1 × TPM port 1 × LPT 1 × PS2 pin
Bus Expansion	1 × PCI slot 1 × PCIe3.0 x4 slot 3 × PCIe4.0 x4 slot 2 × PCIe4.0 x16 slot (used when inserting cards at the same time, signals become PCIe4.0x8) 1 × M.2 Key-I (PCIe4.0 x4 size:2242/2280)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	Windows 10 (21H1) and later versions, WIN11, high kernel version LINUX system

Ordering Information

Part No.	Model	Description
0030-024661	EC0-1826-01	ATX motherboard /Q670E chipset/supports LGA1700 pin 12th and 13th Gen processors/provides 4 × DDR4 memory slot/VGA+DP+HDMI2.0 three-display /4 × SATA3.0/1 × M.2/2 × RJ45 LAN port/14 × USB/6 × COM/MIC-IN/LINE-OUT /1 × 8-channel GPIO/1 × TPM/1 × LPC port/1 × PCI, 1 × PCIe3.0 x4, 3 × PCIe4.0 x4, 2 × PCIe4.0 x16 Note: If two PCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EPE-1816

EPE Bus Standard Full-Length Card

EPE-1816 is a full-length CPU card developed based on Intel H110 platform and conforming to PICMG1.3 bus standard. It supports the 6/7/8/9th Gen processors packaged in LGA1151 and 2 × 288Pin DDR4 memory slot, with a maximum memory capacity of 64GB; it has 2 onboard 10/100/1000Mbps LAN ports and features high performance and long supply cycle. It can be widely used in petrochemical engineering, automatic control, automatic detection, machine vision, safety monitoring, intelligent transportation, communication and other fields.



Product Features



Supports Intel 6/7/8/9th Gen processors

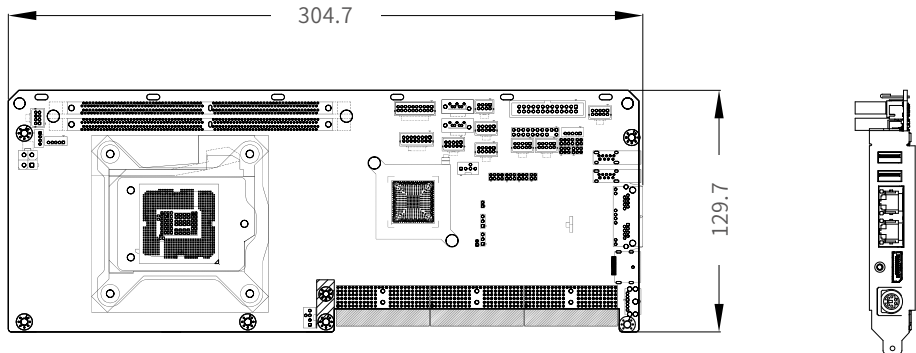


EPE hardened bus



Supports 2 × memory slot

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports 6th and 7th Gen processors in LGA1151 package Supports quad-core 91W/eight-core 35W 8th and 9th Gen processors in LGA1151 package
Chipset	H110
Memory	2 × DDR4 2133/2400/2666/3200MHz DIMM memory slot, a single memory supporting 32GB, the two supporting up to 64GB
Display Port	Supports any two display ports among DP, VGA and DVI-D DP standard onboard port, VGA and DVI-D are led out by wires with keys in the form of pins
Audio	Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port, LAN1 supports LAN wakeup
Memory	4 × SATA
I/O Port	10 × USB2.0 2 × serial port, supporting RS-232/RS-422/RS-485 mode selection 1 × parallel port 1 × PS/2 port 1 × 8-channel digital I/O port
Bus Expansion	EPE bus expansion, which can be equipped with EPE series backplane. H110 platform does not support ISA expansion slot
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	340.7mm (L) × 129.7mm (W)
Operating System	Supports WIN7 (Intel 6/7th Gen processors), WIN10, WIN11 (Intel 8/9th Gen processors) and high kernel version LINUX system

Ordering Information

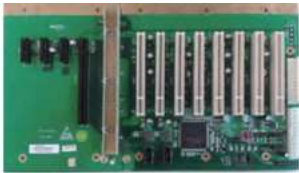
Part No.	Model	Description
0030-024311	EPE-1816(C)	PICMG 1.3 standard full-length card/H110 platform/supports Intel LGA1151 pin 6/7/8/9th Gen processors/2 × DDR4 memory slot/2 × Gigabit LAN port/4 × SATA/10 × USB2.0/2 × serial port/supports any two display ports among DP, VGA and DVI-D/1 × LPT Note: H110 platform does not support ISA expansion slot

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Industrial backplane

EPE-6113E4(V) 13-slot EPE backplane

Part No.	Model	Description
0050-001661	EPE-6113E4(V)	13-slot EPE backplane, 1 × main slot/8 × PCI/1 × PCI-E×16/3 × PCI-E×1 slot, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management, AT power 12PINs port reserved



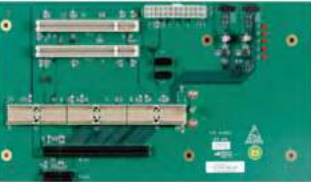
EPE-6110E5(V) 10-slot EPE backplane

Part No.	Model	Description
1050-004641	EPE-6110E5(V)	10-slot EPE PCI-E/PCI backplane, 1 × main slot/4 × PCI/1 × PCI-E×16/4 × PCI-E×1 slot, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management, AT power 12PINs port reserved



EPE-6105E2(V) 5-slot EPE backplane

Part No.	Model	Description
1050-004651	EPE-6105E2(V)	5-slot EPE backplane, 1 × main slot/2 × PCI/1 × PCI-E×16/1 × PCI-E×1 slot, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management, AT power 12PINs port reserved



EPE-6105E1 5-slot EPE backplane

Part No.	Model	Description
0050-001471	EPE-6105E1	5-slot EPE backplane, 1 × main slot/3 × PCI/1 × PCI-E×16, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management



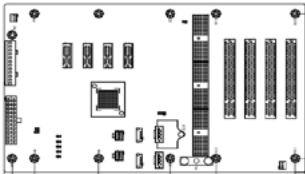
EPE-6109E2 9-slot EPE backplane

Part No.	Model	Description
0050-001531	EPE-6109E2	9-slot EPE backplane, 1 × main slot/6 × PCI/1 × PCI-E×16/1 × PCI-E×1 slot, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management, AT power 12PINs port reserved



EPE-6109E4 9-slot EPE backplane

Part No.	Model	Description
0050-001551	EPE-6109E4	9-slot EPE PCI/PCIE backplane, 1 × main slot/4 × PCI/4 × PCIE×1, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management



EPE-6113E2 13-slot EPE backplane

Part No.	Model	Description
0050-001461	EPE-6113E2	13-slot EPE PCI-E/PCI backplane, 1 × main slot/10 × PCI/1 × PCI-E×16/1 × PCI-E×4 slot (PCI-E×1 when equipped with H61 motherboard), 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management



Industrial backplane

EPE-6105P2 5-slot EPE backplane

Part No.	Model	Description
0050-001581	EPE-6105P2	5-slot EPE backplane, 1 × main slot/2 × PCI/2 × ISA, 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management



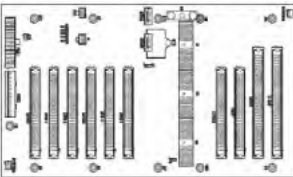
EPE-6111P6 11-slot EPE backplane

Part No.	Model	Description
1050-004621	EPE-6111P6	11-slot EPE PCI-E/PCI/ISA backplane, 1 × main slot/6 × PCI/1 × PCI-E×16 (if the PCI-E card is expanded, the adjacent PCI slot cannot be used)/3 × ISA slot; 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX 24 PIN power port, support ACPI power management



EPE-6111P8 11-slot EPE backplane

Part No.	Model	Description
0050-001491	EPE-6111P8	11-slot EPE backplane, 1 × main slot/8 × PCI (EU connector)/2 × ISA slot (EU connector), 2 × SATA port; 4 × USB2.0 port, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24PIN power port, support ACPI power management



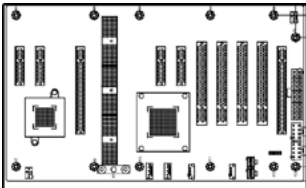
EPE-6112E5 12-slot EPE backplane

Part No.	Model	Description
0050-001611	EPE-6112E5	12-slot EPE backplane, 1 × main slot, 1 × PCIE×16, 6 × PCI and 4 × PCIE×4; 2 × SATA; 4 × USB2.0, of which 2 are led out in the form of pins and 2 are led out by 180° vertical connectors; provide 1 × ATX24 PIN power port and support ACPI power management



EPE-6111E6P4 11-slot EPE backplane

Part No.	Model	Description
1050-005521	EPE-6111E6P4	11-slot EPE backplane, extend 4 × PCI slot, 4 × PCIe X4 slot and 2 × PCIe X16 slot; at the same time, provide 4 × USB2.0 port, two of which are 2×4 Wafer form and the other two are led out by 90° vertical connector; 2 × SATA port; 1 × ATX 24Pin power port, support ACPI power management



EC7-1821

Mini-ITX Motherboard

The EC7-1821 motherboard is a standard Mini-ITX motherboard with an H110 chipset and supports the 6/7th Gen processors packaged in LGA1151. A vertical USB port onboard can expand encryption devices, support multiple serial ports, multiple U ports and dual Gigabit LAN ports, and provide a PCIe x16 expansion port, which is widely used in banking, taxation, ETC, industrial manufacturing, machine vision and other industries.



Product Features



Supports Intel 6/7th Gen processors



VGA+HDMI dual-display

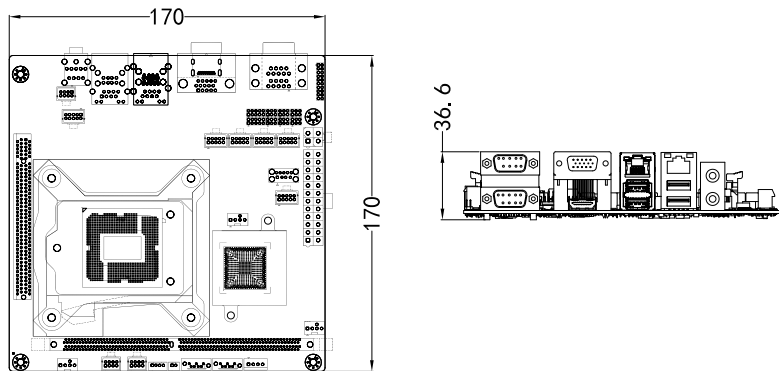


6 × serial port



8 × USB port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel LGA 1151 pin 6/7th Gen processors
Chipset	H110
Memory	1 x DDR4 DIMM memory slot, a single memory supporting 16GB
Display Ports	VGA, HDMI dual-display
Audio	Ports Supports MIC-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port
Memory	2 × SATA3.0
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 4 × USB2.0, 4 × USB3.0 1 × 16-channel digital I/O port
Bus Expansion	1 x PCIe x16
Power Supply	ATX power supply
Working Environment	0°C~50°C
Storage Environment	-20°C~60°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	170 mm (L) × 170 mm (W)
Operating System	WIN7、WIN10、LINUX

Ordering Information

Part No.	Model	Description
0030-021911	EC7-1821-H110S	Mini-ITX motherboard / H110 platform / supports LGA1151 pin 6/7th Gen processors / 1 × DDR4 memory slot, supporting up to 16GB/VGA+HDMI dual display / 2 × Gigabit LAN port/4 × USB2.0/4 × USB3.0/6 × serial port/2 × SATA3.0/ 1 × 16-channel GPIO/LIN-IN/LIN-OUT/ 1 × PCIe x16

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC7-1823

Mini-ITX Motherboard

EC7-1823 is a standard Mini-itx motherboard, which adopts BayTrail platform J1900 low-power platform, onboard two 10/100/1000Mbps LAN ports with lightning protection function; it supports multiple display ports, multiple U ports and multiple serial ports. It provides an expansion port of PCIe16 (actually providing the speed of *1), a Mini-pcie port (supporting expansion to 3G, 4G and Wifi modules), a SIM card slot and an M-Sata, which can be widely used in banking, taxation, automation and other industries.



Product Features



Onboard low power consumption processor

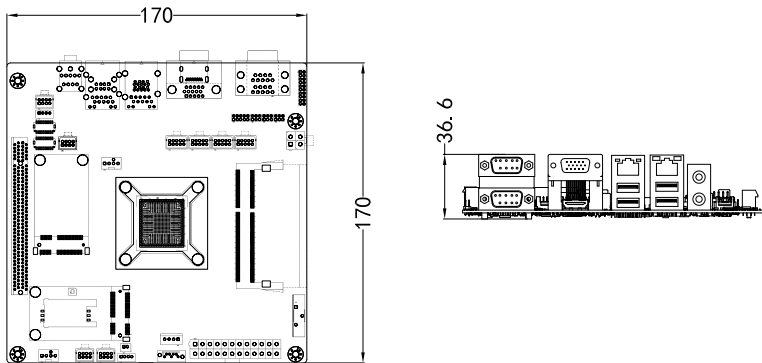


Supports 3G, 4G and Wifi module expansion



Multiple IO ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Onboard J1900 quad-core processor
Chipset	BayTrail
Memory	1 x 204 Pin DDR3L SO-DIMM memory slot, supporting up to 8GB
Display Ports	Any two display ports among VGA, HDMI, LVDS
Audio	Ports Supports MIC-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port
Memory	1 × SATA2.0
I/O Port	6 × serial port 6 × USB2.0, 1 × USB3.0 1 × 16-channel digital I/O port 1 × Mini-pcie port 1 × SIM card slot 1 × MSATA port
Bus Expansion	1 × PCIe16 (actually providing the speed of x1)
Power Supply	Single 12V power supply
Working Environment	-10°C~60°C
Storage Environment	-20°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	170 mm (L) × 170 mm (W)
Operating System	WIN7、WIN10、LINUX

Ordering Information

Part No.	Model	Description
0030-022081	EC7-1823-J1900	Mini-ITX motherboard / onboard J1900 processor/ 1 × DDR3L SO-DIMM memory slot, supporting up to 8GB/any two display ports among VGA, HDMI, LVDS/ 2 × Gigabit LAN port/ 6 × USB2.0/ 1 × USB3.0/ 6 × serial port/ 1 × SATA2.0/ 1 × 16-channel GPIO/MIC-IN/LIN-OUT/ 1 × PCIe16 (actually providing the speed of x1)/ 1 × Mini-pcie port/ 1 × SIM card slot/ 1 × MSATA
0030-022191	EC7-1823-J1900SP	Mini-ITX motherboard / onboard J1900 processor / 1 × DDR3L SO-DIMM memory slot, supporting up to 8GB/any two display ports among VGA, LVDS, HDMI / 2 × Gigabit LAN port / 6 × USB2.0 / 1 × USB3.0 / 6 × serial port / 1 × SATA2.0 / 1 × 16-channel GPIO/MIC-IN/LIN-OUT/ 1 × PCIe16 (actually providing the speed of x1) / 1 × Mini-pcie port/ 1 × SIM card slot/ 1 × MSATA /single 12V 4pin port/PS2 wafer led-out

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC3-1820

3.5" Single Board Computer

EC3-1820V2NA is a low-power embedded motherboard developed based on the Intel Bay Trail platform that complies with the 3.5 "single board specification. This product adopts Intel's low power consumption solution, and its small size design is suitable for mechanical control, electricity, medical equipment and various instruments.



Product Features



Onboard low power consumption processor

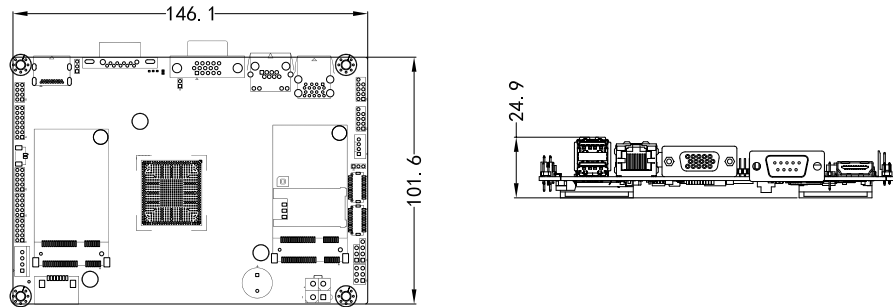


Multiple IO ports



Optional wide-temperature environment

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Onboard E3845, J1900 quad-core processors
Chipset	BayTrail
Memory	Onboard 4G memory
Display Ports	VGA, HDMI, LVDS
Audio	Ports Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port
Memory	1 × SATA, 1 × mSATA (optional), 1 × Micro SD card port (not supported by J1900)
I/O Port	4 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 6 × USB2.0 2 × 8-channel digital I/O port 1 × PS/2 port
Bus Expansion	1 × Mini-pcie port
Power Supply	Single 12V power supply
Working Environment	0°C~60°C (standard configuration), expandable temperature range: -40°C~85°C (optional)
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	146.1mm (L) × 101.6mm (W)
Operating System	WIN7、WIN8、LINUX

Ordering Information

Part No.	Model	Description
0030-023731	EC3-1820V2NA(D)-E3845	3.5" single board computer/onboard E3845 quad-core processor/onboard 4GB DDR3 memory/VGA, HDMI, LVDS/1 × PS2 port/2 × 8-channel GPIO/6 × USB2.0/1 group of audio ports/2 × LAN port/1 × M-SATA/1 × SD/1 × SATA/4 × serial port/1 × MiniPCIE port
0030-023741	EC3-1820V2NA(D)-J1900	3.5" single board computer/onboard J1900 quad-core processor/onboard 4GB DDR3 memory/VGA, HDMI, LVDS/1 × PS2 port/2 × 8-channel GPIO/6 × USB2.0/1 group of audio ports/2 × LAN port/1 × M-SATA/1 × SATA/4 × serial port/1 × MiniPCIE port

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC3-1821

3.5" Single Board Computer

EC3-1821 is a standard 3.5" motherboard with onboard Intel Skylake-U series processors of high performance and low power consumption. It has abundant IO ports, supports multiple display ports, multiple U ports, multiple serial ports, 1 × Mini-pcie port, 1 × SIM card slot, 1 × M-Sata and 1 × custom expansion port. It is widely used in machine vision, intelligent robots, medical treatment, automation and other industries.



Product Features



Onboard low power consumption processor



Multiple IO ports

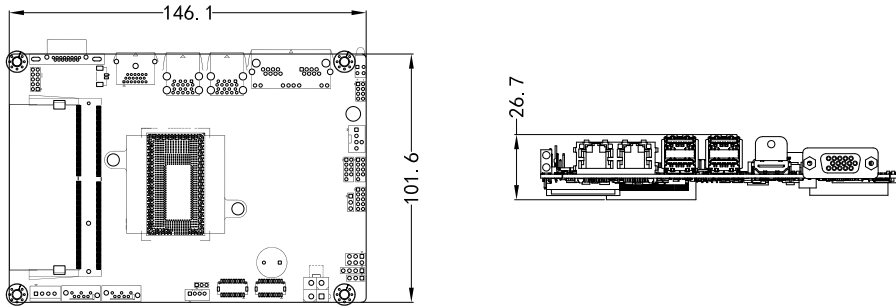


Custom expansion port



Optional wide-temperature environment

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Onboard I7-6600U 2.6Ghz, I5-6300U 2.4Ghz, I3-6100U 2.3Ghz and 3955U 2.0Ghz processors
Chipset	SkyLake-U
Memory	1 × 260Pin DDR4 memory slot, supporting up to 16G
Display Port	VGA、HDMI、LVDS
Audio	Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port
Storage	2 × SATA3.0 port and 1 × mSATA port
I/O Port	2 × serial port, supporting RS-232/RS-422/RS-485 mode selection 4 × USB3.0, 2 × USB2.0 1 × 8-channel digital I/O port
Bus Expansion	1 × Mini-pcie port, 1 × SIM card port and 1 × custom expansion port
Power supply	Single 12V power supply
Working Environment	0°C~60°C (standard configuration), expandable temperature range: -40°C~85°C (optional)
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	146.1mm (L) × 101.6mm (W)
Operating system	WIN7, WIN10 and LINUX system

Ordering Information

Part No.	Model	Description
0030-022211	EC3-1821-3955U	3.5" single board computer/onboard 3955U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port
0030-022151	EC3-1821-I36100U	3.5" single board computer/onboard I36100U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port
0030-022221	EC3-1821-I56300U	3.5" single board computer/onboard I56300U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port
0030-022231	EC3-1821-I76600U	3.5" single board computer/onboard I76600U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EC3-1822

3.5" Single Board Computer

EC3-1822 is based on the Intel® Elkhart lake Soc processor, meeting the 3.5" single board specification. It has an ultra-low power consumption embedded motherboard and complete IO port functions, supporting a wide range of temperature and voltage. The compact size design is suitable for space scenarios with compact installation and is very suitable for medical examination, machine vision, industrial control, intelligent robots and other industries.



Product Features



Onboard low power consumption processor

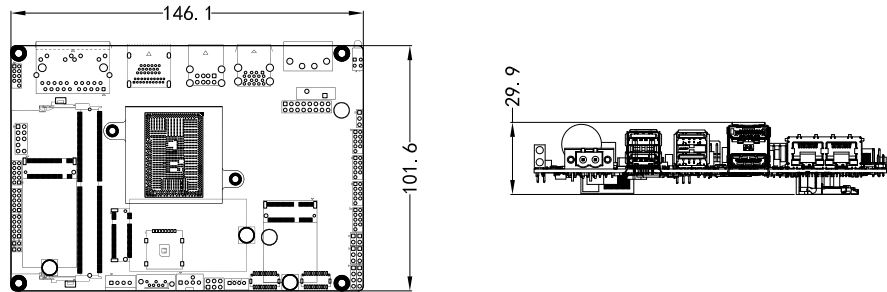


Multiple IO ports



Supports HDMI2.0, DP1.4 and LVDS display ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Intel Elkhart Lake onboard CPU, Celeron J6412/N6211/Atom x6425E
Memory	1 x 260pin DDR4 SO-DIMM, supporting 3200MHz and 32GB at most
Display Port	HDMI2.0、DP1.4、LVDS
Audio	Adopt HDA standard, supporting MIC-IN/LINE-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port
Memory	1 x SATA3.0, 1 x M.2 2242 Key-M (SATA3.0)
I/O Port	Onboard front-mounted: 2 x USB3.1 Gen2 (10Gbps, Type A), 2 x USB2.0 (Type A), and 2 x built-in USB2.0 in the motherboard 2 x RS232/422/485, 2 x RS232 1 x TPM port, supporting TPM 2.0 security encryption 1 x hard disk indicator, 1 x power indicator 1 x 16-channel GPIO
Bus Expansion	1 x M.2 E-key 2230 (USB2.0 signal and PCIeX1 signal), Wifi available 1 x M.2 B-key 3052 (USB3.0 signal), with SIM card slot, supporting 4G/5G
Power Supply	Adopt standard DC 12V power supply Optional DC9-36V wide voltage power supply module
Working Environment	Working temperature: -10°C~+60°C
Storage Environment	Storage temperature: -40°C~+85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	146.1mm (L) × 101.6mm (W)
Operating Systems	Windows 10/Windows 11 64 bit, Ubuntu, Linux high kernel version, etc.

Ordering Information

Part No.	Model	Description
0030-024491	EC3-1822-N6211	3.5" single board computer/onboard N6211 dual-core processor/1 x 260pin DDR4 SO-DIMM slot/ DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3.1 Gen2/4 x USB2.0/1 group of audio ports/2 x GbE/1 x SATA3.0/1 x M.2 Key-M/2 x RS-232, 2 RS-232/422/485/1 x M.2 Key-E (Wifi available)/1 x M.2 Key-B (support 4G/5G)/DC12V/without CPU radiator assembly
0030-024481	EC3-1822-J6412-01	3.5" single board computer/onboard J6412 quad-core processor/1 x 260pin DDR4 SO-DIMM slot/ DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3.1 Gen2/4 x USB2.0/1 group of audio ports/2 x GbE/1 x SATA3.0/1 x M.2 Key-M/2 x RS-232, 2 RS-232/422/485/1 M.2 Key-E (Wifi available)/1 x M.2 Key-B (support 4G/5G)/DC12V/without CPU radiator assembly
0030-024701	EC3-1822-J6412-02	3.5" single board computer/onboard J6412 quad-core processor/1 x 260pin DDR4 SO-DIMM slot/ DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3. Gen2/4 x USB2.0/1 group of audio ports/2 x GbE/1 x SATA3.0/1 x M.2 Key-M/2 x RS-232, 2 x RS-232/422/485/1 x M.2 Key-E (Wifi available)/1 x M.2 Key-B (support 4G/5G)/DC 9-36V wide voltage//without CPU radiator assembly
0030-024501	EC3-1822-X6425E	3.5" single board computer/onboard X6425E quad-core processor/1 x 260pin DDR4 SO-DIMM slot/ DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3.1 Gen2/4 x USB2.0/1 group of audio ports/2 x GbE/1 x SATA3.0/1 x M.2 Key-M/2 x RS-232, 2 x RS-232/422/485/1 x M.2 Key-E (Wifi available)/1 x M.2 Key-B (support 4G/5G)/DC 9-36V wide voltage//without CPU radiator assembly

Accessory Information

Part No.	Description
1500-016451	EC3-1822-J6412/N6211, CPU radiator module assembly
1500-016461	EC3-1822-X6425E, CPU radiator module assembly

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

COM-1817

COM Express Module

The COM-1817CLNA motherboard is a Type6 standard COM Express Compact Module, which adopts the mature Bay Trail platform of intel and onboard Intel J1900, E3845 and E3825 low power consumption CPU. It has strong computing capability and can be widely used in communication, automation, medical treatment and other fields and can meet the needs of customers in many aspects.



Product Features



Onboard J1900 processor



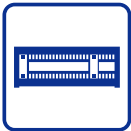
Dual-channel memory



Dual-channel display

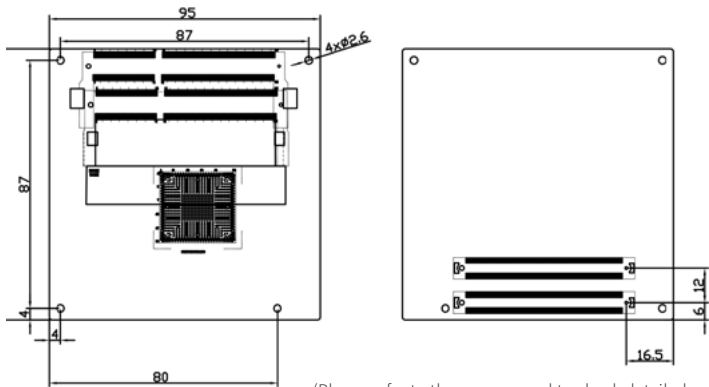


Supports 8 x USB port



Multiple PCIe ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Onboard J1900 2.0GHz quad-core, E3845 1.9GHz quad-core, E3825 1.33GHz processor
Chipset	Intel Bay Trail
Memory	Supports dual-channel DDR3L 1333/1600MHz SO-DIMM, UP to 8GB
Display Port	Supports VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP and others
Audio	Supports HDA
LAN	1 x 10/100/1000 Mbps LAN port, supporting LAN wakeup
I/O Port	8 x USB2.0 port, 1 x USB 3.0 port, 2 x serial port and 8-channel input/output I/O ports
Memory	2 x SATA 2.0 port, 1 x SD port (not provided for J1900), onboard 4GB FLASH (optional)
Expansion Bus	3 x PCIe1
Working Temperature	0°C~60°C (-40°C~85°C optional); 5%~95% (non-condensing state)
Storage Environment	-40°C~85°C, 5%~95% (non-condensing state)
Watchdog	Level 255, programmable seconds/minutes, timeout interruption or system reset
Power Supply	Single 12V power supply or 5VSB, 12V power supply
Dimensions (W x D x H)	95mm x 95mm
Supported Operating	Win7、Win8、Linux、WES7

Ordering Information

Part No.	Model	Description
0030-021051	COM-1817-J1900	COM Express Compact Type 6 module/onboard Intel J1900 2.0 Ghz quad-core CPU/Bay Trail chipset/supporting dual-channel DDR3L memory/VGA, LVDS and HDMI display/2×SATA/1 x Gigabit LAN port/7×USB 2.0/1×USB 3.0/2xRS 232/1×HD A/1x8bit GPIO/3xPCIex1
0030-021041	COM-1817-E3845	COM Express Compact Type 6 module/onboard Intel E3845 1.91GHz quad-core CPU/Bay Trail chipset/supporting dual-channel DDR3L memory/VGA, LVDS and HDMI display/2×SATA/1xGigabit LAN port/8×USB 2.0/1×USB 3.0/2xRS 232/1×HD A/1x8bit GPIO/3xPCIex1
0030-021031	COM-1817-E3825	COM Express Compact Type 6 module/onboard Intel E3825 1.33GHz dual-core CPU/Bay Trail chipset/supporting dual-channel DDR3L memory/VGA, LVDS and HDMI display/2×SATA/1xGigabit LAN port/7×USB 2.0/1×USB 3.0/2xRS 232/1×HD A/1x8bit GPIO/3xPCIex1
1500-002931	COM-1817 Heat Sink Module	COM-1817 heat sink module
0050-001591	EDB-COM08	Carrier board part No

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

COM-1818

COM Express Module

COM-1818CLNAR module adopts Type6 Connector Layout in COM Express2.0 bus standard, onboard Intel 6th Gen high-performance low-power Skylake-U architecture Core and Celeron processor. It has powerful computing capability and supports high-performance DDR4 memory. It can be widely used in communication, automation, medical treatment and other fields. Customers can design and develop their own carrier boards according to their requirements.



Product Features



6th Gen processor



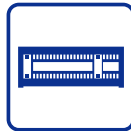
Dual-channel DDR4 memory slot



Supports independent display of 3 channels



Supports 8 x USB port

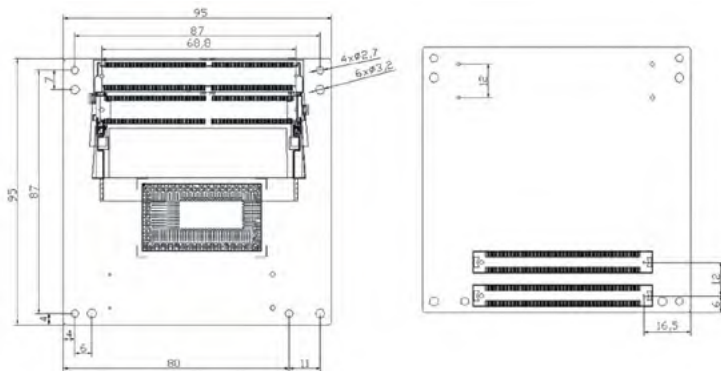


Multiple PCIe ports



Working Temperature 0°C~60°C

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Onboard Intel Celeron 3955U 2.0Ghz, Intel Core i3-6100U 2.3GHz, i5-6300U 2.4GHz, i7-6600U 2.6GHz
Chipset	Skylake-U
Memory	Supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB (non-ECC)
Display Port	Supports VGA, LVDS and DDI (DP/HDMI/DVI can be expanded through a carrier board) and others
Audio	Supports HDA
LAN	1 x 10/100/1000 Mbps LAN port (Intel I219V), supporting LAN wakeup
I/O Port	4 x USB2.0 port, 4 x USB 3.0 port, 2 x serial port, 4-channel input/4-channel output/IO port
Memory	2 x SATA 3.0 port
Expansion Bus	5 x PCIe1; SPI, I2C, SMBUS, LPC and other buses
Working Temperature	0°C~60°C (-40°C~85°C optional); 5%~95% (non-condensing state)
Storage Environment	-40°C~85°C, 5%~95% (non-condensing state)
Watchdog	Level 255, programmable seconds/minutes, timeout interruption or system reset
Power Supply	8.5V-20V wide voltage power supply
Dimensions (W x D x H)	95mm x 95mm
Supported Operating Systems	Windows 7, Windows 8.1, Windows 10, Linux

Ordering Information

Part No.	Model	Description
0030-021801	COM-1818CLNAR-3955U	COM Express Compact Type 6 module/onboard Intel Celeron 3955U 2.0GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/supporting VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP and other displays, supporting up to 3-channel independent displays/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
0030-021811	COM-1818CLNAR-I36100U	COM Express Compact Type 6 module/onboard Intel Core i3-6100U 2.3GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/supporting VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP and other displays, supporting up to 3-channel independent displays/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
0030-022061	COM-1818CNAR-I36100U	COM Express Compact Type 6 module/onboard Intel Core i3-6100U 2.3GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/customized display port/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
0030-021821	COM-1818CLNAR-I56300U	COM Express Compact Type 6 module/onboard Intel Core i5-6300U 2.4GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/supporting VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP and other displays, supporting up to 3-channel independent displays/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
0030-022051	COM-1818CNAR-I56300U	COM Express Compact Type 6 module/onboard Intel Core i5-6300U 2.4GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/customized display port/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
0030-021781	COM-1818CLNAR-I76600U	COM Express Compact Type 6 module/onboard Intel Core i7-6600U 2.6GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/supporting VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP and other displays, supporting up to 3-channel independent displays/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
0030-021791	COM-1818CNAR-I76600U	COM Express Compact Type 6 module/onboard Intel Core i7-6600U 2.6GHzCPU/supporting dual-channel DDR4 1866/2133MHz SODIMM, UP to 32GB/customized display port/1 x Gigabit LAN port / 4 x USB2.0 / 4 x USB3.0 / 2 x SATA3.0 / 1 x 8-channel GPIO/I2C expansion bus, LPC, SPI and SMbus expansion bus / 5*PCIEx1
1500-004391	COM-1818 Heat Sink Module	Including heat-conducting plate, CPU heat sink, etc.
0050-001591	EDB-COM08	Carrier board part No

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

COM-1819

COM Express Module

COM-1819 is a Type 6 COM express Basic Module motherboard based on the Intel® Coffee Lake H platform, with onboard Intel i7-9850HL/i7-9850HE/i3-9100HL processor, QM370 chipset and Intel® UHD Graphics630 integrated graphics card. With two DDR4 2666MHZ SO-DIMM memory slots, it supports up to 64GB. It has strong computing capability and rich port types, which are widely used in automation, electricity, communication, transportation, medical treatment and other fields.



Product Features



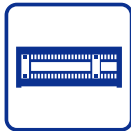
9th Gen processor



Dual-channel DDR4 memory slot



Supports independent display of 3 channels



Multiple PCIE signals

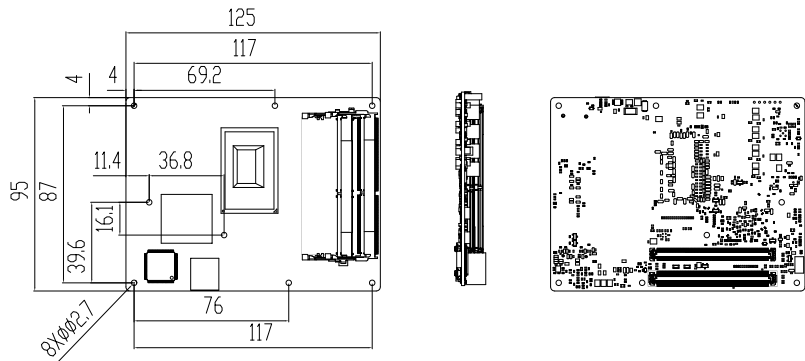


Supports wide temperature range of -40°C~+85°C



Wide voltage power supply (8.5V~16V)

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Version	COM Express® basic, Type 6
Processor	Intel® Core™ i7- 9850HE/i7-9850HL/i3-9100HL
Chipset	QM370
System Memory	2x SO-DIMMs DDR4, single slot of maximum 32 GB 2133/2400/2666 MHz UP to 64GB (non-ECC)
Storage Configuration	4*SATA3.0
Display Signal	3 x DDI channel (standard configuration: 3*DP++, VGA, DVI and other displays can be configured), 1*eDP
USB Signal	4*USB2.0/4*USB3.1
LAN Signal	1-channel 10/100/1000Mbps Ethernet
Sound Card Configuration	1*HDA
Other Port Signals	2-channel serial ports, 8*GPIO (4*GPI/4*GPO), I2C, LPC and SMBus
Bus Expansion	4*PCIEx1, 1*PCIEx4, 1* PCIE x16 (1* PCIE x16 can be divided into 2 * x8 or 1* x8+2*x4)
Power Supply	Adopt a single 12V power supply or 5VSB plus 12V dual power supply, supporting S0, S1 and S5, and AT/ATX working mode. The single power supply can support wide voltage 8.5V~16V input
Operating temperature	COM-1819-i79850HL-01/i39100HL-01:0°C~+60°C; COM-1819-i79850HL-02/i79850HE-01:-40°C~+85°C;
Product Dimensions	(-40) °C~ (+85) °C
Operating Systems	125mm * 95 mm
Ordering Information	Windows10 ,Linux(Ubuntu)

Ordering Information

Part No.	Model	Description
0030-024411	COM-1819-i79850HE	COM Express Basic Type6 module/QM370 chipset/onboard Intel Core i7-9850HE 2.7GHz CPU/ 2x SO-DIMMs DDR4 slots/3*DP++/1*eDP / 4*SATA/ 1 x Gigabit LAN port/4*USB3.1/4*USB2.0/2*serial port/1*HAD/ 4 x PCIEx1/ 1 x PCIEx4/ 1 x PCIE x16/ -40°C~+85°C
0030-024391	COM-1819-i79850HL-01	COM Express Basic Type6 module/QM370 chipset/onboard Intel Core i7-9850HL 1.9GHz CPU/ 2x SO-DIMMs DDR4 slots/3*DP++/1*eDP / 4*SATA/ 1 x Gigabit LAN port/4*USB3.1/4*USB2.0/2*serial port/1*HAD/ 4 x PCIEx1/ 1 PCIEx4/ 1 x PCIE x16/0°C~+60°C
0030-024401	COM-1819-i79850HL-02	COM Express Basic Type6 module/QM370 chipset/onboard Intel Core i7-9850HL 1.9GHz CPU/ 2x SO-DIMMs DDR4 slot/3*DP++/1*eDP / 4*SATA/ 1 x Gigabit LAN port/4*USB3.1/4*USB2.0/2*serial port/1*HAD/ 4 x PCIEx1/ 1 x PCIEx4/ 1 x PCIE x16/-40°C~+85°C
0030-024631	COM-1819-i39100HL-01	COM Express Basic Type6 module/QM370 chipset/onboard Intel Core i3-9100HL 1.6GHz CPU/ 2x SO-DIMMs DDR4 slots/3*DP++/1*eDP / 4*SATA/ 1 x Gigabit LAN port/4*USB3.1/4*USB2.0/2*serial port/1*HAD/ 4 x PCIEx1/ 1 x PCIEx4/ 1 x PCIE x16/0°C~+60°C
1500-016181	COM-1819 Heat Sink Module	Including heat-conducting plate, CPU heat sink, etc.
0050-001801	EDB-COM16	Part No. of backplane

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

COM-1501-LX

COM Express Module

COM-1501-LX is a COM Express module based on a Loongson 3A5000 quad-core processor and equipped with an LS7A2000 high-performance bridge chip as the core. Its structure conforms to the Compact COMe standard of COM Express95 x 95, with a 100% localization rate. It integrates rich peripheral ports and buses so that users can quickly build a system platform based on Loongson 3A5000.

The CPU adopts the Loongson LS3A5000 quad-core processor, with a default dominant frequency of 2.0GHz (optional low power consumption 1.5GHz); it is equipped with a new generation of Loongson's independent bridge chip 7A2000, integrated with 3D GPU display function and standard onboard 8GB DDR4 memory. The module is characterized by a compact structure, low power consumption, SMT process design for the whole board, high performance, high localization, high stability and high reliability. It can be widely used in , government, scientific research, medical treatment, electricity, communication, transportation and other fields.



Product Features



Domestic
Loongson



8G memory

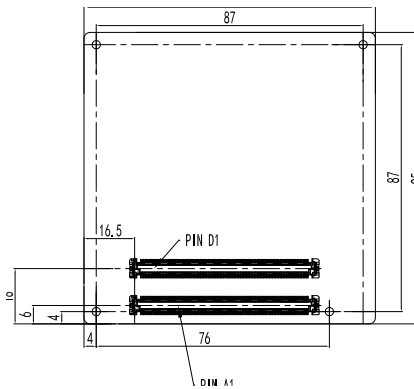


100%
localization
rate



Abundant
Ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	LS3A5000 quad-core processor
Chipset	LS7A2000
System Memory	Onboard 8GB DDR4 memory particle
Storage Configuration	3*SATA3.0
Display Signal	1*HDMI, 1*VGA
USB Signal	8*USB2.0, 4*USB3.0
LAN Signal	1-channel 10/100/1000Mbps Ethernet 1-channel 10/100/1000Mbps Ethernet (optional, located on CD connector, none by default)
Sound Card Configuration	1*HDA
Other Port Signals	1-channel LPC 2-channel I2C 4-channel UART serial port (TTL level, three-wire system), including 1 x Console serial port and 3 x data serial port 8*GPIO (including 4*GPI and 4*GPO)
Bus Expansion	1*PCIE3.0x16 (can be divided into 2*x8) 2*PCIE3.0x4 (can be divided into 4* x1) 6* PCIE3.0x1 (PCIE0-PCIE3 can be configured as 1-channel PCIE(x4) port)
Power Supply	5V Standby and 12V Primary
Environmental Requirements	Working temperature of single board: (-40)°C~(+65)°C
	Motherboard storage temperature: (-50)°C~(+80)°C
	Steady damp heat: (40)°C (95)% RH, without condensation
Product Dimensions	95mm × 95 mm
Others	Watchdog, RTC, temperature detection, voltage detection
Operating system	Loongnix, Kylin

Ordering Information

Part No.	Model	Description
0030-024011	COM-1501-LX	LS3A5000 processor (2.0GHz/-40°C~+65°C)/onboard 8GB/VGA/HDMI/4*USB3.0/8*USB2.0/3*SATA3.0/1*LAN/4*COM/1*PCIE3.0x16/2*PCIE3.0x4/6*PCIE3.0x1
2342-006021	COM-1501-LX Heat Sink Module	heat sink module/ROHS

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

COM-1502-FT

COM Express Module

COM-1502-FT adopts a domestic Phytium quad-core processor and 2-channel DDR4 notebook memory slots, supports up to 32G memory, VGA and HDMI output, conforms to COM Express Type6, and is designed with Basic module size (125mm×95mm). It is a COMe computer module with high integration, high performance, low power consumption and high reliability. It can be applied to communication, automation, medical treatment, industrial control and other fields to meet the various needs of customers and facilitate special customization.



Product Features



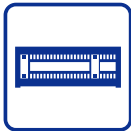
Phytium processor



Dual-channel DDR4 memory slot

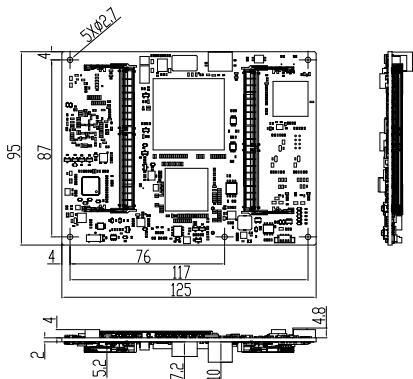


Flexible matching of different backplanes, convenient for customization



Abundant expansion bus

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Phytium FT2000/4 quad-core processor, dominant frequency of 2.6GHz (wide temperature of 2.2GHz)
	Memory	Dual-channel SO-DIMM DDR4 memory slot, single-slot support of up to 8G, with a total memory capacity up to 16GB
Display		Supports VGA and HDMI output
Storage Port	SATA	4-channel SATA3.0 (led out through COMe port)
I/O Port	USB	4-channel USB3.0, 4-channel USB2.0
	COM	2-channel, one of which is a debugging port and the other is a functional port
Audio		1-channel LINEOUT, MIC
LAN Port		1-channel 10/100/1000Mbps RJ-45 port
GPIO		Provides 4-channel GPI and 4-channel GPO
PCIE		1-channel PCIe2.0*16 (can be divided into 2-channel PCIe×8), 1-channel PCIe2.0*4 and 4-channel PCIe2.0*1
Working Environment		0°C~55°C (-20°C~55°C optional)
Power Supply		Supports 5V standby +12V power supply and single 12V power supply, supports S0, S4 and S5
Overall Dimensions(W×D)		125mm (L) ×95mm (W)

Ordering Information

Part No.	Model	Description
0030-023101	COM-1502-FT-01	FT2000/4 processor (2.6GHz/0°C~55°C)/2*DDR4/VGA/HDMI/4*USB3.0/4*USB2.0/4*SATA/1*LAN/2*COM /1-channel PCIe2.0*16/1×PCIe2.0*4/4×PCIe*1/12DC IN
0030-023111	COM-1502-FT-02	FT2000/4 processor (2.2GHz/-20°C~55°C)/2*DDR4/VGA/HDMI/4*USB3.0/4*USB2.0/4*SATA/1*LAN/2*COM /1-channel PCIe2.0*16/1×PCIe2.0*4/4×PCIe*1/12DC IN
1500-007011	COM-1502-FT Heat Sink Module	heat sink module/ROHS

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

COM-1505-FT

COM Express Module

COM-1505-FT is a COM Express module based on a Phytium D2000 octa-core processor and equipped with an X100 high-performance bridge chip as the core. Its structure conforms to the Basic module standard of COM Express125 x 95, which is a standard TYPE6 specification with a 100% localization rate and integrates rich peripheral ports and buses so that users can quickly build a system platform based on Phytium D2000.

The CPU adopts a Tengrui D2000 octa-core processor with a dominant frequency of 2.3GHz (wide temperature of 2.0GHz); it is equipped with Phytium's new generation of independent bridge chip X100, integrated 3D GPU display function and 1-channel SO-DIMM DDR4 memory slot. The module is characterized by a compact structure, low power consumption, SMT process design for the whole board, high performance, high localization, high stability and high reliability. It can be widely used in government, scientific research, medical treatment, electricity, communication, transportation and other fields.



Product Features



Phytium chip



Memory of up to 32G

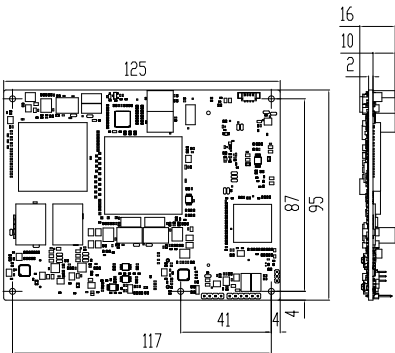


100% localization



Flexible customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Tengrui D2000/8
Chipset	X100
System Memory	1-channel SO-DIMM DDR4 memory slot, up to 32G
Storage Configuration	4*SATA3.0
Display Signal	1*DP, 1*VGA
USB Signal	4*USB2.0, 4*USB3.0
LAN Signal	1-channel 10/100/1000Mbps Ethernet
Sound Card Configuration	1*HDA
Other Port Signals	2-channel serial port 8*GPIO(4*GPI/4*GPO) 1-channel I2C 1-channel FAN
Bus Expansion	1*PCIE3.0X16 (can be divided into 2*X8), 8*PCIE3.0X1
Power Supply	Single 12V power supply and 5VSB, 12V power supply
Environmental Requirements	Working temperature of single board: COM-1505-FT-01: -20°C~+55°C; COM-1505-FT-02: -40°C~+55°C;
	Motherboard storage temperature: (-55)°C~(+70)°C
	Steady damp heat: (40)°C (95)% RH, without condensation
Product Dimensions	125mm × 95 mm
Operating Systems	Kylin, Unity UOS

Ordering Information

Part No.	Model	Description
0030-023921	COM-1505-FT-01	FT D2000/8 processor (2.3GHz/-20°C~+55°C) /1*DDR4/VGA/DP/4*USB3.0/4*USB2.0/4*SATA3.0/1*LAN/2*COM/1*PCIE3.0X16/8*PCIE3.0X1
0030-023931	COM-1505-FT-02	FT D2000/8 processor (2.0GHz/-40°C~+55°C) /1*DDR4/VGA/DP/4*USB3.0/4*USB2.0/4*SATA3.0/1*LAN/2*COM/1*PCIE3.0X16/8*PCIE3.0X1
1500-008991	COM-1505-FT Heat Sink Module	heat sink module/ROHS

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

**FLEXIBLE CONFIGURATION
UNLIMITED EXPANSION
STRONG PERFORMANCE
INDUSTRIAL QUALITY**



ATX Single Board Computer ECO-1825

Ultra-high Performance

Supports PCIe 5.0 2500Mbps high-speed LAN port

Multiple Displays

Supports VGA+DVI-D+HDMI 2.0 HD display

Abundant Ports

10 x USB port and 6 x COM port

Flexible Expansion

Supports multiple PCI+PCIE expansion combinations

Safety and stability

Quality guaranteed after rigorous testing

**HARDCORE & PURE
100% LOCALIZATION RATE**



ComEpress Single Board COM-1505-FT

Pure

100% localization rate, with purely domestic parts

Security Enough

Domestic chips with data security guaranteed

Big Coverage

Abundant IO ports for flexible matching

Famous Brand

Famous brand of EVOC with guaranteed quality

Selection of Industrial Network Platform

Model		N15-01 C3000	N15-01(B)	N15-02
Product picture				
System Configuration	Processor	Intel Atom C3000 series FCBGA1310 packaging, supporting C3000 and REFRESH full series CPU	ntel Atom C3000 series FCBGA1310 packaging, supporting C3000 and REFRESH full series CPU	Intel® Celeron™ J1900
	Chipset	SOC	SOC	SOC
	Memory	2 x DIMM slot, supporting UDIMM or RDIMM memory, the total capacity of the complete PC can reach 128GB	Supports 2 x DIMM, and the total capacity of the complete PC can reach 128G	1 x SO-DIMM memory slot, and the total capacity of the complete PC can reach 8GB
Storage Port	SATA	1 x SATA3.0 port and 1x hard disk bay	Supports 1 x SATA port. Note: The economical complete PC is configured without a SATA port and a hard disk bay	1 x SATA port, 1 x hard disk bay
Cfast/MSATA		1 x MSATA slot	1 x MSATA slot	1 x MSATA slot
I/O Port	USB	2 x USB2.0 port (front)	2 x USB2.0 port (front)	2 x USB2.0 port (front)
	COM	1 x RJ45 Console port (front) 1 x RS232 serial port pin (built-in)	1 x Console port (front), RS232 mode by default, supporting redirection function;	1 x RJ45 Console port
Display Port		1 x VGA (optional). Note: If necessary, please indicate that the VGA is provided when placing an order	1 x VGA port (optional and can be led out at the rear). Note: If necessary, please indicate that VGA is provided when placing an order.	1x VGA port
Network Chip		Intel® I210/I211	Intel® I210/I211	Intel® I210/I211
Network port		6 x Gigabit electrical port + 2 x Gigabit optical port + 2 x 10-Gigabit optical port	6 x LAN port onboard, including Scheme 1: 6 x Gigabit electrical port onboard; Scheme 2: 4 x Gigabit electrical port + 2 x 10-Gigabit optical port onboard	Onboard supports 6 x Gigabit electrical port
Expansion Bus	PCI-E	Onboard 1 x PCIE X8 (X2 signal)	Onboard 1 x PCIE X8 (X2 signal)	Onboard 1 x PCIE X8 (X1 signal)
	ENS	2 x ENS expansion slot (optional)	Supports 1 x ENS network card expansion slot. Note: The economical complete PC is configured without an ENS expansion slot	1 x ENS expansion slot
Matched Motherboard		NET-1832VD10N series	NET-1832VD6N series	NET-1837 series
Working Environment		Working temperature: 0°C~40°C	Working temperature: 0°C~40°C	Working temperature: 0°C~40°C
Storage Environment		Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)
Power supply		Single power supply 150W (optional 150W redundant power supply)	1*150W single power supply. Note: The economical complete PC is equipped with 1*60W single power supply, and the chassis is compatible with dual power supplies	Single power supply 60W
Overall Dimensions (excluding mounting ears)		482.6mm(W)×43.6mm(H)×450mm(D)	440mm(W)×44mm(H)×450mm(D)	440mm(W)×43.6mm(H)×300mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details	Linux OS (kernel version 2.6 and later). Please refer to the product manual for details	Linux OS (kernel version 2.6 and later). Please refer to the product manual for details

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Selection of Industrial Network Platform

Model		NPC-8128-02	NPC-8128-03	NPC-8228-02
Product picture				
System Configuration	Processor	Supports Intel 6th/7th Gen and some 8th/9th Gen Core/Xeon E3-1200 v5, v6 series/Pentium/Celeron LGA1151 packaging processor	Supports Intel 6th/7th Gen and some 8th/9th Gen Core/Pentium/Celeron LGA1151 packaging processor	Supports LGA1151 packaging i3, i5, i7 Core 6th/7th Gen processors, Xeon E3-1200 v5 and v6 series
	Chipset	Intel C236	Intel H110	Intel C236 (可选Intel H110)
	Memory	2 x DDR 41866/2133/2400MHz memory slot, supporting un-buffered ECC memory or Non-ECC memory, and the total capacity of the complete PC can reach 32GB	2 x DDR4 1866/2133/2400MHz memory slot, and the total capacity of the complete PC can reach 32GB	Single board: 2 x 288Pin standard DDR4 memory slot provided, and the total capacity of the complete PC can reach 32GB (UDIMM memory is selected)
Storage Port	SATA	Supports 4 x SATA3.0 port, and standard configuration of 1 hard disk bay (3 x SATA3.0 port free)	Supports 4 x SATA3.0 port, and standard configuration of 1 hard disk bay (3 x SATA3.0 port free)	The single board supports 4 x SATA3.0 port, and a standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)
Cfast/MSATA	MSATA	1 x Cfast slot optional (occupying 1 x SATA3.0 resource)	1 x Cfast slot optional (occupying 1 x SATA3.0 resource)	1 x Cfast slot optional for the single board (occupying 1 x SATA3 port)
I/O Port	USB	2 x USB port (front); with 2 x USB2.0 pin built-in and 1 x USB3.0 pin	2 x USB port (front); with 2 x USB2.0 pin built-in and 1 x USB3.0 pin	Single board: provides 2 x USB port (front), 2 x USB2.0 pin (built-in) and 1 x USB3.0 pin (built-in)
	COM	1 x Console port (front), 1 x RS232 serial port pin (built-in)	1 x Console port (front), 1 x RS232 serial port pin (built-in)	Single board: provides 1 x RJ45 Console port (front) and 1 x RS232 serial port pin (built-in)
Display Port		1x VGA port	1x VGA port	Single board: provides 1 x VGA port
Network Chip		Intel® I210/I211	Intel® I210/I211	Intel® I210/I211
Network port		Onboard 6 x Gigabit electrical port	Onboard 6 x Gigabit electrical port	Single board: 6 x Gigabit electrical port
Expansion bus	PCI-E	Onboard 1 x PCIE X8	Onboard x 1 x PCIE X8, or ENS (alternative)	Single board: onboard 1 x PCIE X8 slot
	ENS	2 x ENS network card expansion slot	1 x ENS network card expansion slot (optional 2 expansions, EB-X8N200B Part No.: 1090-012451)	Single board: 2 x ENS expansion slots can be selected for C236 chipset; H110 chipset has no ENS expansion slot by default
Matched Motherboard		NET-1828VD6N series	NET-1828VD6N series	NET-1828VD6N motherboard series
Working Environment		Working temperature:0°C~40°C	Working temperature:0°C~40°C	Working temperature:0°C~40°C
Storage Environment		Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)
Power supply		250W ATX single power supply. Note: When redundant power supply is selected, the chassis needs to be deepened by 50 mm	250W/180W ATX single power supply. Note: When redundant power supply is selected, the chassis needs to be deepened by 50 mm	550W redundant ATX power supply
Overall Dimensions (excluding mounting ears)		440mm(W)×43.6mm(H)×501.2mm (D)	440mm(W)×43.6mm(H)×501.2mm (D)	440mm(W)×88mm(H)×651mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details	Linux OS (kernel version 2.6 and later). Please refer to the product manual for details	Linux OS (kernel version 2.6 and later). Please refer to the product manual for details

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Selection of Industrial Network Platform

Model		NPC-8208	N35-03	NPC-8232
Product picture				
System Configuration	Processor	Optional LGA1151 packaging i3/i5/i7 Core 6th/7th Gen processor, Xeon E3-1200 v5/v6 series processor	Supports Intel® 8th/9th Gen Core, Xeon E series, Celeron, Pentium and other LGA1151 packaging processors	Supports Atom P5300 series processor, optional P5322/P5332/P5342/5352/5362, number of cores: 8~24
	Chipset	Intel C236	Intel®C246	SOC
	Memory	4 x DDR4 memory slot, supporting un-buffered ECC or Non-ECC memory, and the total capacity of the complete PC can reach 64GB	Supports 4 x DDR4 memory slot, supporting un-buffered ECC and Non-memory ECC, and the total capacity of the complete PC can reach 128GB;	Supports 4 x DDR4 RDIMM/UDIMM memory slot, and the total capacity of the complete PC can reach 256G; the maximum memory frequency supports 2933MHz;
Storage Port	SATA	Supports 3 x SATA3.0 port, and standard configuration of 1 x hard disk bay (2 x SATA3.0 port free)	Supports 2 x SATA3.0 port (one of which is multiplexed with MSATA), and standard configuration of 1 x hard disk bay	Supports 2 x SATA3.0 port, and standard configuration of 1 x hard disk bay (1 x SATA3.0 port free)
Cfast/MSATA		1 x Cfast slot optional (occupying 1 x SATA3.0 resource)	1 x MSATA slot	1 x MSATA slot
I/O Port	USB	2 x USB2.0 port (front); 4 x USB pin (built-in)	2 x USB3.0 port (external); 2 x USB3.0 pin (built-in)	2 x USB 2.0 port (front); 2 x USB 2.0 wafer socket (built-in)
	COM	1 x RJ45 Console port (front); 1 x RS232 serial port pin (built-in)	1 x RJ45 Console port (external); 1 x RS-232 serial port pin (built-in)	1 x RJ45 Console port (front), RS232 mode by default, supporting redirection function; 1 x VGA port (optional and can be led out at the rear). Note: If necessary, please indicate that a VGA port is provided when placing an order
Display Port		1x VGA port	1x VGA port	
Network Chip		Intel® I210/I211	Intel® I210/I211	Intel®I350
Network port		Onboard 1 x Gigabit electrical port	6 x Gigabit electrical port + 4 x Gigabit optical port Note: N35-03-09 is equipped with 2 x Gigabit electrical port, one of which can be replaced by IPMI port (subject to actual configuration)	Onboard 8 x 10-Gigabit optical port +8 x Gigabit electrical port, supporting 4 groups of bypass
Expansion Bus	PCI-E	Onboard 1 x PCI-E X8 (X8 signal, resource multiplexing with one ENS slot)	Onboard 1 x PCI-E X8 (X4 signal)	Onboard 1 x PCI-E X8 (X4 signal)
	ENS	4 x ENS network card expansion slot	5 x ENS expansion slot (optional 7). Note: 4/6/8 ENS expansion slots are optional for N35-03-09 configuration	6 x ENS expansion slot
Matched Motherboard		NET-1825VDN(B) series	NET-1836VD2N series	NET-1840VD16N series
Working Environment		Working temperature: 0°C~40°C	Working temperature: 0°C~40°C	Working temperature: 0°C~40°C
Storage Environment		Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)
Power supply		250W single power supply/350W ATX redundant power supply	Supports 350W redundant AC power supply (optional 250W single power supply)	Standard 350W ATX redundant power supply
Overall Dimensions		440mm(W)x88mm(H)x550mm(D)	440mm(W)x88mm(H)x550mm(D)	440mm(W)x88mm(H)x550mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details	Linux OS (kernel version 2.6 and later). Please refer to the product manual for details	Supports RHEL7.8, SLES SP4 64bit, Ubuntu20.04, Centos7.8 and above operating systems. Please refer to the product manual for details

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Selection of Industrial Network Platform

Model		NPC-8220	NPC-8230	NPC-5115-ZX
Product picture				
System Configuration	Processor	Supports 2 x Intel® Xeon® processor E5-2600V3/V4 series CPU	Supports 2 x Intel® Xeon Processor Scalable Family CPU (Skylake SP/ Cascade Lake SP)	C-Quadcore C4710 quad-core, with a dominant frequency of 2.0GHz; C-Quadcore C4600 quad-core, with a dominant frequency of 2.0GHz (SM3 and SMS4 national encryption algorithms not supported)
	Chipset	Intel®C612	Intel®C621/C627	ZX-100S
	Memory	Supports RDIMM/LRDIMM memory, with a maximum memory capacity of 512GB	20 x DDR4 memory slot, supporting RDIMM/LRDIMM memory, with a maximum memory capacity of 2560GB	Supports 2 x DDR3 memory slot and Un-buffered ECC, and the total capacity of the complete PC can reach 32GB
Storage Port	SATA	Supports 5 x SATA3.0 port, and 4 x ENS extended model; supports 3 x hard disk bay, and 8 x ENS extended model; supports 2 x 2.5-inch hard disk bay	Supports 4 x SATA3.0 port, and 4 x ENS extended model; supports 3 x hard disk bay, and 8 x ENS extended model; supports 1 x 3.5-inch hard disk bay	2 x SATA 3.0 port, and standard configuration of 1 x hard disk bay (1 x SATA3.0 port free)
Cfast/MSATA		/	1 x MSATA port, and 8 x ENS extended model; 1 x M.2 KEY-B (optional)	/
I/O Port	USB	2 x USB 2.0 port (front); 2 x USB 2.0 pin (built-in); 2 x USB 3.0 pin (built-in)	44 (2 x USB3.0 pin at the front and 2 x USB3.0 pin built-in)	2 x USB3.0 port (front); 2 x USB2.0 pin and 2 x USB3.0 pin built-in
	COM	22 (1 x RJ45, 1 x RS-232 pin built-in)	22 (1 x RJ45, 1 x RS-232 pin built-in)	1 x RJ45 Console port (front) and 1 x RS232 serial port pin (built-in)
Display Port		1 x VGA port	1 x VGA port	1 x VGA port
Network Chip		Intel®i210 (onboard debugging LAN port)	Intel®i210 (onboard debugging LAN port)	Intel®I210/I211
LAN port		2 x Gigabit electrical port and 1 x IPMI (optional)	2 x Gigabit electrical port + 4 x 10-Gigabit optical port (optional), 1 x IPMI (optional)	6 x Gigabit ethernet port
Expansion Bus	PCI-E	3个PCI-E 8X	2 x PCI-E X8 or 1 x PCI-E X8 + 1 x PCI-E X16	Onboard 1 x standard PCI_E2.0 X8 (X8 signal, resource multiplexing with an ENS slot, alternative)
	ENS	4/8 x ENS LAN port expansion module position	4/8 x ENS LAN port expansion module position	1 x ENS expansion slot (optional 2 expansions, EB-X8N-200B Part No.: 1090-012451)
Matched Motherboard		NET-2815 series	NET-2816 series	NET-1512VD6N series
Working Environment		Working temperature: 0°C~40°C	Working temperature: 0°C~40°C	Working temperature: 0°C~40°C
Storage Environment		Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)
Power supply		550W ATX redundant power supply (support single or redundant power supply)	550W CRPS redundant power supply (single power supply or DC power supply is optional)	250W/180W ATX (300W 1+1 redundancy is optional, and the chassis needs to be lengthened)
Overall Dimensions		440mm (W) × 88mm(H) × 550mm (D)	440mm (W) × 88mm(H) × 659mm (D)	440mm(W)x43.8mm(H)x451.3mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and above)	Linux (CentOS, Red Hat, Ubuntu). Please refer to the product manual for details	Linux (CentOS, Red Hat, Ubuntu), Kylin operating system. Please refer to the product manual for details

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Selection of Industrial Network Platform

Model		NPC-5115B-ZX	NPC-8208-ZX	N35-HG
Product picture				
System Configuration	Processor	Supports ZX-4000 series: C4580/C4701/C4600/C4710, etc.	KX-6000 series processor (optional 4-core or 8-core)	Hygon-3200 series processors; Hygon-3300 series processors
	Chipset	ZX-100S	/	/
	Memory	2 x DDR3 memory slot optional, with a maximum capacity of the complete PC of up to 32GB	4 x DDR4 memory slot, and the total capacity of the complete PC can reach 64G	Supports 2 x DDR4 memory slot, and the total capacity of the complete PC can reach 64G
Storage Port	SATA	2 x SATA 3.0 port, standard configuration of 1 x hard disk bay, and 1 x SATA port free; Note: the economical model is equipped with 1 x MSATA port, without SATA port or SATA hard disk bay	2 x SATA3.0 port, and standard configuration of 1 x hard disk bay (1 x SATA port free)	2 x SATA3.0 port, and standard configuration of 1 x hard disk bay (1 x SATA port free)
	Cfast/MSATA	1 x MSATA slot	1 x MSATA slot	Optional 1 x Cfast card slot (optional)
I/O Port	USB	2 x USB3.0 port (front), 2 x USB2.0 pin (built-in)	2 x USB3.0 port (front), 2 x USB2.0 pin (built-in)	2 x USB3.0 port (front), 2 x USB2.0 (built-in)
	COM	1 x RJ45 Console port (front) and 1 x serial port pin (built-in)	1 x RJ45 Console port (front)	1 x RJ45 Console port (front)
Display Port		1x VGA port	1 x VGA port, 2 x DVI connector	There is no display port by default, which can be expanded through a Mini PCIe slot. Optional module: 1060-004621 EF-V-001
Network Chip		Intel® I210+WX1860	Intel® I210/I211	Intel® I210/I211
Network port		Onboard 6 x 10/100/1000Mbps RJ-45 port and 4 x Gigabit optical port	2 x Gigabit electrical port (LAN1 supports WOL and PXE)	Onboard 8 x Gigabit electrical port
Expanded bus	PCI-E	Onboard horizontal expansion of 1 x standard PCI_E2.0 X8 (X1 signal)	Onboard horizontal insertion of 1 x PCIe x8 slot (X4 signal); onboard 1 x Mini_PCIe slot (X1 signal)	Onboard 1 x standard PCIE3.0 x8 slot (built-in, X4 signal), and 1 x Mini_PCIe slot (built-in, X1 signal)
	ENS	1 x ENS LAN port expansion slot	4 x ENS network card expansion slot	2 x ENS network card expansion slot
Matched Motherboard		NET-1512VD10 series	NET-1835 series	ECS-1501-HG series
Working Environment		Working temperature:0°C~40°C	Working temperature:0°C~40°C	Working temperature:0°C~40°C
Storage Environment		Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)
Power supply		Single power supply 84W or 150W (subject to actual configuration)	250W ATX single power supply (optional 350W ATX redundant power supply)	350W ATX single power supply (optional redundant power supply)
Overall Dimensions (excluding mounting ears)		440mm(W)×44mm(H)×450mm(D)	440mm (W) ×88.1mm(H)×550mm(D)	440mm(W)×88.1mm(H)×501.7mm (D)
Supported Operating Systems		Linux (CentOS, Red Hat, Ubuntu), Kylin operating system. Please refer to the product manual for details	Linux OS (kernel 2.6 or above), Kylin operating system, NFS-China and others. Please refer to the product manual for details	Kylin, NeoKylin, Kylinsec and other Hygon operating systems. Please refer to the product manual for details

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Selection of Industrial Network Platform

Model		NPC-8208-HG	NPC-5217-HG	N15-FT
Product picture				
System Configuration	Processor	Optional Hygon-3230/3250/3330/3350 processors	2# and 3# processors of Hygon Series 5/7 optional	Supports domestic Phytium FT-2000/4-core processor, with a wide temperature range optional
	Chipset	/	/	/
	Memory	Supports 4 x DDR4 memory slot, and the total capacity of the complete PC can reach 256G	Provides 8 x DDR4 memory slot, and the total memory capacity of the complete PC can reach 512G	Provides 2 x DDR4 memory slot, and the total memory capacity of the complete PC can reach 32G
Storage Port	SATA	3 x SATA3.0 port, and standard configuration of 1 x hard disk bay (2 x SATA3.0 port free)	4 x SATA3.0 port, and standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)	4 x SATA3.0 port, and standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)
	Cfast/MSATA	1 x MSATA slot	1 x MSATA slot, 1 x M.2 2280 KEY-B	1 x MSATA slot
I/O Port	USB	2 x USB3.0 port (front), 2 x USB3.0 (built-in JN socket)	2 x USB3.0 port (front) 2 x USB3.0 pin (built-in)	2 x USB3.0 port (front), 2 x USB3.0 pin (built-in)
	COM	1 x RJ45 Console port (front), 1 x serial port Wafer socket	1 x RJ45 Console port, 3 x serial port Wafer socket (built-in, RS-232 mode)	1 x RJ45 Console port, 1 x serial port Wafer socket (built-in, RS-232 mode)
Display Port		1x VGA port	1 x VGA port (optional)	1 x VGA port
Network chip		Intel® I210/I211	WX1860	Intel® I210/I211
Network port		2 x Gigabit electrical port (LAN1 supports WOL and PXE)	Onboard 2 x Gigabit LAN port, one of which can be configured as an IPMI port	Onboard 6 x Gigabit LAN port
Expansion Bus	PCI-E	1 x PCIE3.0 x8 slot (X4 signal)	Hygon 5 Series processor: onboard 2 x standard PCIE X8 slot; Hygon 7 Series processor: onboard 1 x standard X8 and 1 x standard X16 slot	Onboard 1 x PCIE X8 standard slot (X8 signal)
	ENS	4 x ENS network card expansion slot	8 x ENS network card expansion slot (4 optional)	2 x ENS network card expansion slot
Matched Motherboard		NET-1838VD2N series	NET-1513VD2N series	COM-1502-FT series
Working Environment		Working temperature: 0°C~40°C	Working temperature: 0°C~40°C	Temperature: 0°C~40°C Humidity: 10%~95% (non-condensing state)
Storage Environment		Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Storage temperature: -20°C-70°C Storage humidity: 10%-90% (non-condensing state)	Temperature: -20°C-70°C Humidity: 10%-95% (non-condensing state)
Power supply		ATX 350W redundant power supply	550W ATX redundant power supply (support single or DC power supply)	180W ATX single power supply (optional redundant power supply)
Overall Dimensions (excluding mounting ears)		440mm (W) ×88.1mm(H)×550mm (D)	440mm(W)×88mm(H)×550mm (D)	440mm(W)×44mm(H)×401mm (D)
Supported Operating Systems		Ubuntu 16.04 and above, CentOS 7.x and above, Kylin, UOS and other Hygon Linux operating systems. Please refer to the product manual for details	Ubuntu 18.04 and above, kernel Linux system with CentOS 7.x or above, Kylin X86, UOS, NFS-China, Kylinsec and other Hygon version systems. Please refer to the product manual for details	Supports Kylin and other domestic Phytium operating systems. Please refer to the product manual for details

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Selection of Industrial Network Platform

Model		NPC-5201-FT	NPC-5118-FT	EIS-2208-FT	EIS-2210-FT
Product picture					
System Configuration	Processor	Phytium D2000/8C, with a dominant frequency of 2.3GHz, optional wide temperature range	Phytium D2000/8C, with a dominant frequency of 2.3GHz, optional wide temperature range	Phytium FT-2000+ 64 processor (64-core, 2.2GHz)	Phytium S5000C/64C, with a dominant frequency of 2.1GHz dual-channel processor
	Chipset	/	/	/	/
	Memory	Provides 2 x DDR4 memory slot, and the total memory capacity of the complete PC can reach 32G	Dual-channel, 2*DDR4 memory slot, supporting UDIMM; single slot supports 32G	Supports 8 x RDIMM DDR4 slot, working rate above 2400Mbps, supports ECC	10* DDR5 memory slot, supports RDIMM, speed up to 4000MHz, single-slot support of up to 128G memory
Storage Port	SATA	4 x SATA3.0 port, and standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)	2 x SATA 3.0 port, and standard configuration of 1 x hard disk bay (1 x SATA3.0 port free)	8 x 3.5-inch hard disk pull-out bay, supporting hardware RAID mode	Supports 8 x front hot swap 2.5/3.5-inch SATA/SAS hard disk and 8 x onboard SATA 3.0 port
	Cfast/MSATA	1 x MSATA slot	1 x MSATA slot (resource multiplexing with SATA1), 1 x M.2 KEY-M/2 x m.2	/	2242/2280 Nvme hard disk built-in
I/O Port	USB	2 x USB3.0 port (front), 2 x USB3.0 pin (built-in)	2 x USB3.0 port (front), 2 x USB3.0 pin (built-in)	2 x USB2.0 at the front; 4 x USB3.0 at the rear	6 x USB3.0 port
	COM	1 x RJ45 Console port	1 x RJ45 Console port	1	1 x DB9 debugging serial port
Display Port		1x VGA port	1x VGA port	1x VGA port	1 x VGA display port (optional)
Network Chip		Intel® I210/I211	Muchuang N400L	/	Domestic Netswift chip
LAN port		Onboard 6 x Gigabit LAN port	Onboard 7 x Gigabit LAN port + 4 x Gigabit optical port, of which 1 x electrical port is a special management port	4 x Gigabit electrical port and 1 x BMC dedicated LAN port	4 x Gigabit LAN port and 2 x 10-Gigabit LAN port
Expansion Bus	PCI-E	Onboard 1 x PCIe X8 standard slot (X8 signal)	Onboard 2 x standard PCI_E X8 slot and 1 x Mini_Pcie slot (built-in, X1 signal)	7 x PCIe (3.0 specification)	The PCIe bandwidth performance is doubled, greatly improving the I/O throughput capacity of the system. It supports five PCIe expansion slots, including 2-channel PCIe X16 slots (5.0 signal) and 3-channel PCIe X8 slots (at least 2-channel 5.0 signals)
	ENS	2 x ENS network card expansion slot	2 x ENS network card expansion slot	/	/
Matched Motherboard		COM-1505-FT series	NET-1601A series	SVE-2905FT	CYB-2501-FT
Working Environment		Temperature: 0°C~40°C Humidity: 10%~95% (non-condensing state)	Temperature: 0°C~40°C Humidity: 10%~95% (non-condensing state)	Temperature: 0° C~40° C Humidity: 10%~95% (non-condensing state)	Working temperature: 0°C -40°C
Storage Environment		Temperature: -20°C-70°C Humidity: 10%-95% (non-condensing state)	Temperature: -20°C-70°C Humidity: 10%-95% (non-condensing state)	Temperature: -20° C-70° C Humidity: 10%-95% (non-condensing state)	Temperature: -40°C~+55°C Relative humidity: 5%~90% (non-condensing state)
Power supply		250W ATX single power supply (optional redundant power supply)	250W ATX single power supply (optional redundant power supply)	550W redundant power supply	Supports 1+1 redundant hot-swap power supply, and is equipped with domestic 1200W/1600W redundant power supply
Overall Dimensions (excluding mounting ears)		440mm(W)×88mm(H) ×550mm(D)	440mm(W)×43.8mm(H) ×550mm(D)	440mm(W)×88mm(H) ×664mm(D)	482.9(W)×88mm(H)×730mm(D)
Supported Operating Systems		Kylin X86, UOS and other domestic Phytium systems. Please refer to the product manual for details	Kylin X86, UOS and other domestic Phytium systems. Please refer to the product manual for details	Adaptive to Kylin, Unity UOS	Adaptive to Kylin, Unity UOS, etc. and supports domestic Kylin V10 server operating system

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

Matchable Network Expansion Card

NPC-8220/NPC-8208/NPC-8128/NPC-5115-ZX/N15-FT/N35/N15-01/N35-03(optional)						
Part No.	Model	Network Chip	Speed of LAN Port	Number of LAN Port	LAN port	Number of bypass
0070-002711 1070-001721	ENS-2403S	Intel® i350	Gigabit	4	SFP optical port	0
0070-003461 1070-002641	ENS-2423S(B)-MM	Intel® i350	Gigabit	4	LC optical port multimode	2
0070-003471 1070-003051	ENS-2423S(B)-SM	Intel® i350	Gigabit	4	LC optical port single-mode	2
0070-002781 1070-001711	ENS-2421E	Intel® i350	Gigabit	4	RJ-45 electrical port	2
0070-002971 1070-002221	ENS-2803S	Intel® i350 bridge chip	Gigabit	8	SFP optical port	0
0070-003411 1070-002931	ENS-2841E (B)	Intel® i350 bridge chip	Gigabit	8	RJ-45 electrical port	4
0070-002981 1070-002261	ENS-2823ES	Intel® i350 bridge chip	Gigabit	4+4	RJ-45 electrical port + SFP optical port	2
0070-002791 1070-001651	ENS-4803S	Intel® i350	Gigabit	8	SFP optical port	0
0070-002801 1070-001611	ENS-4841E	Intel® i350	Gigabit	8	RJ-45 electrical port	4
0070-002691 1070-001731	ENS-4823ES	Intel® i350	Gigabit	4+4	RJ-45 electrical port + SFP optical port	2
0070-002701 1070-001701	ENS-4203S+	Intel® 82599	10 Gigabit	2	SFP+optical port	0
0070-002831 1070-001991	ENS-4207S+	Intel® X710	10 Gigabit	2	SFP+optical port	0
0070-003851 1070-003491	ENS-4215S(B)-SM+	Intel® X710	10 Gigabit	2	LC optical port single-mode	1
0070-003481 1070-003041	ENS-4215S(B)-MM+	Intel® X710	10 Gigabit	2	LC optical port multimode	1
0070-003841 1070-003481	ENS-4423S (B) -SM+	Intel® XL710	10 Gigabit	4	LC optical port single-mode	2
0070-003221 1070-002651	ENS-4423S(B)-MM	Intel® XL710	10 Gigabit	4	LC optical port multimode	2
0070-002731 1070-001741	ENS-4403S+	Intel® XL710	10 Gigabit	4	SFP+optical port	0
0070-003031 1070-002281	ENS-4205S40-01	Intel® XL710	40G	2	QSFP + optical port	0
0070-003041 1070-002351	ENS-4205S40-02	Intel® XL710	40G	1	QSFP + optical port	0
0070-003961 1070-003701	ENS-4215S40-MM	Intel® XL710	40G	2	NPO multi-mode optical port	1
0070-003971 1070-003711	ENS-4215S40-SM	Intel® XL710	40G	2	LC optical port single-mode	1
0070-004081 1070-003961	ENS-8203S100-01	Intel® E810	100G	2	QFSP + optical port	0
0070-004091 1070-003971	ENS-8203S100-02	Intel® E810	100G	1	QFSP + optical port	0

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

N15-01

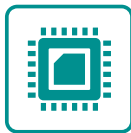
Network Application Platform

The N15-01 is a standard 1U 19" rack-mounted mainstream network application platform, using Intel Atom C3000 and REFRESH series FCBGA1310 packaging CPU. N15-01 has front 6 x Gigabit electrical port + 2 x Gigabit optical port + 2 x 10-Gigabit optical port + 2 x network card expansion port and supports 1 x Mini-PCIe slot (accessible to VGA display module and 4G module), 1 x PCI-E slot (accessible to encryption card or accelerator card), 1 x SATA3.0 port, and 1 x MSATA slot, and it can meet the needs of various network security applications in the market.

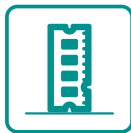
N15-01 is mainly used in various network security application scenarios such as firewalls, anti-virus walls, VPN, Internet behavior management and audit, next-generation firewalls, traffic management, IDS, IPS, UTM and gatekeeper.



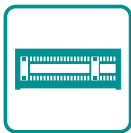
Product Features



C3000 processor



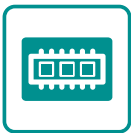
2 x DDR4 memory



1 x mini-PCIe slot



Onboard 6 x Gigabit electrical port + 2 x Gigabit optical port + 2 x 10-Gigabit optical port



1 x SATA 3.0 port and 1 x MSATA slot

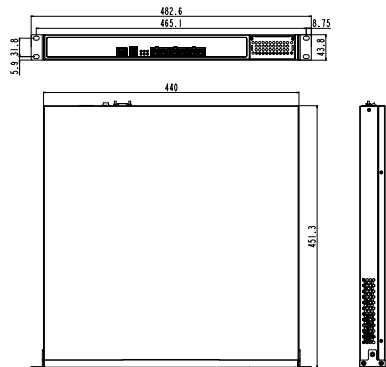


Supports hard disk encryption and intrusion detection



Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Intel Atom C3000 series FCBGA1310 packaging, supporting C3000 and REFRESH full series CPU
	Chipset	C3000/C3000 refresh
	Memory	2 x DIMM memory slot, supporting UDIMM or RDIMM, and the maximum capacity of the complete PC is 128GB
Storage Port	SATA	Supports 1 x SATA port and 1 x hard disk bay
	MSATA	1 x MSATA slot (optional, multiplexed with 1 x CF)
IO interface	USB	2 x USB 2.0 port (front)
	COM	1 x RJ45 Console port (front); 1 x RS232 serial port pin (built-in)
Display Port		1 x VGA port (optional and can be led out at the rear). Note: If necessary, please indicate that VGA is provided when placing an order
Network card chip		Intel® I210/I211
LAN port		6 x Gigabit electrical port + 2 x Gigabit/10-Gigabit optical port + 2 x 10-Gigabit optical port (up to 3 sets of BP optional)
GPIO		Supports 8-channel digital GPIO
Expansion Bus	PCIE	1 x standard PCIE 8X slot (X2 signal)
	ENS	Supports up to 2 x ENS network card expansion slot, and 1 x ENS network card expansion slot can be selected
Matched Motherboard		NET-1832VD10N(B) series
Working Environment		Working temperature: 0°C ~40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Supports 150W single and redundant power supply
Overall Dimensions (excluding mounting ears)		440mm (W) ×44mm(H) ×450mm (D)
Supported Operating Systems		Linux OS (kernel version 2.6 and above). Please refer to the product manual of EVOC for details

Ordering Information

Part No.	Model	Description
0010-189821	1 x N15-01-13/C3558R/8G/1T/150 redundant power supply	Standard 1U rack-mounted network complete PC/C3558R/8G/6 x Gigabit electrical port/2 x Gigabit optical port/2 x 10-Gigabit optical port/2BP/1T/150W redundant power supply
0010-189831	N15-01-14/C3558R/8G/1T/150 single power supply	Standard 1U rack-mounted network complete PC/C3558R/8G/6 x Gigabit electrical port/2 x Gigabit optical port/2 x 10-Gigabit optical port/2BP/1T/150W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

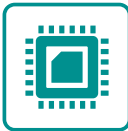
N15-01B

Network Application Platform

N15-01B is an economical network security hardware solution developed based on the 3rd Gen C3000 of Intel® Atom and a 1U 19" standard rack-mounted chassis is adopted. It supports 1 x Mini PCI_E slot and 1 x PCI_E (signal X1). The onboard module supports up to 6 x Gigabit LAN ports, and the high-configuration module supports 1 x ENS LAN expansion. The complete PC supports up to 14 x Gigabit LAN ports. N15-01B is mainly applicable to firewalls, antivirus walls, next-generation firewalls, application delivery, traffic management, VPN, DNS, IDS/IPS, UTM and other scenarios.



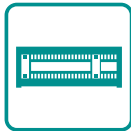
Product Features



C3000
processor



2 x DDR4
memory



1 x mini-PCIe
slot



Abundant IO
ports

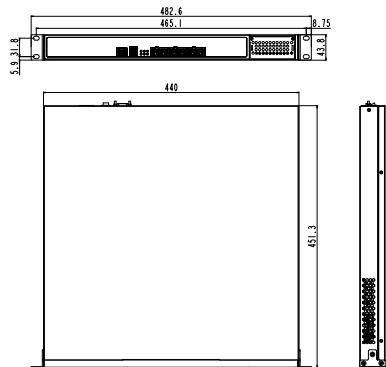


Quick
customization



Low power
consumption

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Intel Atom C3000 series FCBGA1310 packaging, supporting C3000 and REFRESH full series CPU
	Chipset	C3000/C3000 refresh
	Memory	2 x DIMM slot, up to 128GB
Storage Port	SATA	Supports 1 x SATA port. Note: The standard configuration of 1 x hard disk bay, and the economical model has no SATA port or SATA hard disk bay
	MSATA	supports 1 x MSATA slot
I/O Port	USB	2 USB3.0 (front)
	COM	1 Console port (front), RS232 mode by default, supporting redirection function;
Display Port		1 x VGA port (optional and can be led out at the rear). Note: If necessary, please indicate that a VGA port is provided when placing an order
Network card chip		Intel® I210/I211
LAN port		6 x LAN port onboard, including Scheme 1: 6 x Gigabit electrical port onboard; Scheme 2: 4 x Gigabit electrical port + 2 x 10-Gigabit optical port onboard
GPIO		Supports 8-channel digital GPIO
Expansion bus	PCIE	1 x standard PCIE X8 slot (X1 signal)
	ENS	Supports 1 x ENS network card expansion slot. Note: The economical complete PC is configured without an ENS expansion slot
Matched Motherboard		ET-1832VD6N series
Working Environment		Working temperature: 0°C~40°C
Storage environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power Supply		1*150W single power supply. Note: The economical complete PC is equipped with 1*60W single power supply, and the chassis is compatible with dual power supplies
Overall Dimensions (excluding mounting ears)		440mm (W) ×44mm(H) ×450mm (D)
Supported Operating Systems		Linux OS (kernel version 2.6 and above). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-196221	N15-01C-02/C3558/8G*2/1T/150W single power supply	Intel C3000 platform/C3558/dual memory slots/onboard 6*Gigabit electrical port/3 sets of BP/2*USB 2.0/1*console port/1*MSATA slot/1*SATA connector/1*PCIE X4 standard slot/1 x ENS expansion slot (X4 signal)/150W single power supply
0010-196231	N15-01C-03/C3558/8G/64G/60W single power	Intel C3000 platform/C3558/single memory slot/onboard 6*Gigabit electrical port/0 group of BP/2*USB 2.0/1*console port/1*MSATA slot/without ENS expansion slot/1*PCIE X4 standard slot/1*60W power supply
0010-196241	N15-01C-04/C3558/8G*2/1T/150W single power supply	Intel C3000 platform/C3558/dual memory slots/onboard 4*Gigabit electrical port + 2*10-Gigabit optical port/2 sets of BP/2*USB 2.0/1*console port/1*MSATA slot/1*SATA connector/1*PCIE X4 standard slot/1*ENS expansion slot (X4 signal)/150W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

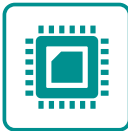
N15-02

Network Application Platform

N15-02 is a standard 1U rack-mounted mainstream network application platform, which adopts an Intel® Celeron™ J1900 processor, 1 x SO-DIMM DDR3L memory slot, maximum memory support of 8GB, onboard 6 x electrical ports and 1 x expansion slot. N15-02 can be widely used in network security application fields such as entry-level firewalls, intrusion detection systems and Internet behavior management.



Product Features



Celeron J1900 chip



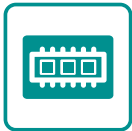
Low power consumption & high performance



The motherboard provides 6 x Gigabit electrical port



Supports BP

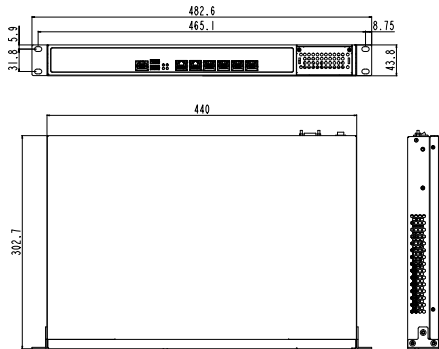


1 x MSATA or 1 x Cfast slot



Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Intel® Celeron™ J1900
	Chipset	SOC J1900
	Memory	1 x SO-DIMM memory slot, and the total capacity of the complete PC can reach 8GB DDR3L memory
Storage Port	SATA	Supports 1 x SATA port, and standard configuration of 1 x hard disk bay
	MSATA	1 x MSATA slot
I/O Port	USB	2 x USB 2.0 port (front)
	COM	1 x RJ45 Console port
Display Port		1x VGA port
LAN card chip		Intel® I210/I211
LAN port		Onboard supports 6 x Gigabit electrical port
Bypass		Supports up to 3 groups
Expansion Bus	PCIE	Onboard 1 x PCIE 8X (X1 signal), shared with ENS slot
	ENS	1 x ENS network card expansion slot (optional), shared with PCIE slot (alternative)
Matched Motherboard		NET-1837 series
Working Environment		Working temperature: 0°C ~40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Single power supply 60W
Overall Dimensions (excluding mounting ears)		440mm(W) × 44mm(H) × 300mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-196311	N15-02E-01/NET1837(D)-01/J1900/4GB/6 × electrical port /1BP/128GB/60W	Standard 1U rack-mounted complete PC/Celeron J1900 2.0G/4GB memory/128G MSATA/onboard 6 x Gigabit LAN port/1 group of BP/built-in 1 x PCIE slot or supporting 1 x ENS module expansion (optional)/60W single power supply
0010-196321	N15-02E-02/NET1837(D)-02/J1900/4GB/6 × electrical port/2BP/128GB/60W	Standard 1U rack-mounted complete PC/Celeron J1900 2.0G/4GB memory/128G MSATA/onboard 6 x Gigabit LAN port/2 groups of BP/built-in 1 x PCIE slot or supporting 1 x ENS module expansion (optional)/60W single power supply
0010-196331	N15-02E-03/NET-1837(D)- 03-I210/J1900/4GB/6 × electrical port/0BP/128GB/60W	Standard 1U rack-mounted complete PC/Celeron J1900 2.0G/4GB memory/128G MSATA/onboard 6 x Gigabit LAN port/0 group of BP/built-in 1 x PCIE slot or supporting 1 x ENS module expansion (optional)/60W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

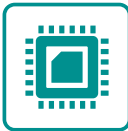
NPC-8128-02

Network Application Platform

NPC-8128E-02 is a standard 1U 19" rack-mounted mainstream network application platform, which adopts Intel® C236 chip and supports Intel® LGA1151 packaging i3, i5, i7 Intel 6th/7th Gen processors, E3-1200 V5 and V6, with 32GB DDR4 memory. The platform adopts a modular design. By configuring network modules, the complete PC can support up to 22 high-performance Gigabit LAN ports and 11 groups of bypass. NPC-8128E-02 can be widely used in network security application fields such as mainstream firewalls, antivirus walls, VPNs, network acceleration, gatekeepers and application delivery.



Product Features



Supports multiple series of processors



2 x DDR4 slot



Multiple hard disk bays



Provides 6 x onboard Gigabit electrical port

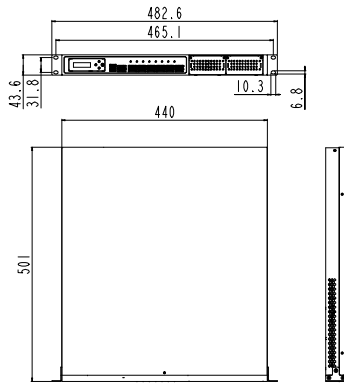


Front abundant ports



Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports Intel 6th/7th Gen and some 8th/9th Gen Core/Xeon E3-1200 v5, v6 series/Pentium/Celeron LGA1151 packaging processor
	Chipset	Intel C236
	Memory	2 x DDR 41866/2133/2400MHz memory slot, supporting un-buffered ECC memory or Non-ECC memory, and the total capacity of the complete PC can reach 32GB
Storage Port	SATA	Supports 4 x SATA port, and standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)
	Cfast	1 x Cfast slot optional (occupying 1 x SATA3.0 resource)
I/O Port	USB	2 x USB port (front); with 2 x USB2.0 pin and 1 x USB3.0 pin built-in
	COM	1 x Console port (front), 1 x RS232 serial port pin (built-in)
Display Port		1x VGA port
Network card chip		Intel® I210/I211
LAN port		Onboard 6 x Gigabit electrical port
GPIO		The motherboard supports 8-channel GPIO port
Expansion Bus	PCIE	Onboard 1 x PCIE 8X slot
	ENS	2 x ENS network card expansion slot (optional)
Matched Motherboard		NET-1828VD6N series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W ATX single power supply. Note: When redundant power supply is selected, the chassis needs to be deepened by 50 mm
Overall Dimensions (excluding mounting ears)		440mm(W) × 44mm(H) × 501.2mm (D)
Supported Operating Systems		Linux OS (kernel version 2.6 and above). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-189451	NPC-8128E-02/I3-6100/8G/1T/3BP/250W/with panel	Standard 1U rack-mounted Intel C236 platform complete PC/I3-6100 CPU/8GB memory/1T hard disk/onboard 6 x electrical port/3 groups of BYPASS/supporting 2 x ENS Network card expansion slot/with LCM display module/provided with NET-1828VD6N(E)-01 motherboard/250W single power supply
0010-189461	NPC-8128E-02/I3-8100/8G/1T/2BP/250W	Standard 1U rack-mounted Intel C236 platform complete PC/I3-8100 CPU/8GB memory/1T hard disk/onboard 6 x electrical port/2 groups of BYPASS/2 x ENS network card Expansion slot/provided with NET-1828VD6N(E)-03 motherboard/250W single power supply
0010-189471	NPC-8128E-02/I3-6100/8G/1T/0BP/250W	Standard 1U rack-mounted Intel C236 platform complete PC/I3-6100 CPU/8GB memory/1T hard disk/onboard 6 x electrical port/0 groups of BYPASS/supporting 2 x ENS Network card expansion slot/provided with NET-1828VD6N(E)-05 motherboard/250W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

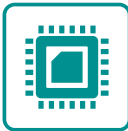
NPC-8128-03

Network Application Platform

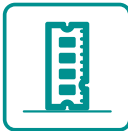
NPC-8128E-03 is a standard 1U 19" rack-mounted mainstream network application platform. It adopts Intel® H110 chip, supports Intel® LGA1151 packaging i3, i5 and i7 Intel 6th and 7th processors, and has 32GB DDR4 memory. The platform adopts a modular design. By configuring network modules, it supports up to 22 high-performance Gigabit LAN ports and 11 groups of bypasses. NPC-8128E-03 can be widely used in network security application scenarios such as enterprise firewalls, antivirus walls, VPN, network acceleration, gatekeepers and application delivery.



Product Features



Supports multiple series of processors



2 x memory slot



Multiple hard disk bays

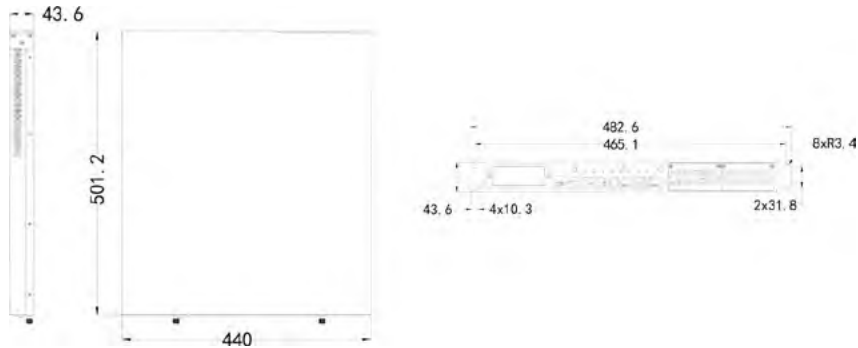


Abundant LAN ports



Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports Intel 6th/7th Gen and some 8th/9th Gen Core/Pentium/Celeron LGA1151 packaging processors
	Chipset	Intel H110
	Memory	Provides 2 x DDR4 1866/2133/2400MHz memory slot, and the total capacity of the complete PC can reach 32GB
Storage Port	SATA	Supports 4 x SATA port, and standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)
	MSATA	Select 1 x Cfast slot (occupying 1 x SATA3.0 resource)
I/O Port	USB	2 x USB port (front), 2 x USB2.0 pin and 1 x USB3.0 pin (built-in)
	COM	1 x Console port (front), 1 x RS232 serial port pin (built-in)
Display Port		1x VGA port
Network card chip		Intel® I210/I211
LAN port		Onboard 6 x Gigabit electrical port
GPIO		The motherboard supports 8-channel GPIO port
Expansion Bus	PCIE	Onboard 1 x PCIE 8X slot or ENS (alternative)
	ENS	1 x ENS expansion slot; 2 expansion slots optional, Part No.: EB-X8N-200B Part No.: 1090-012451)
Matched Motherboard		NET-1828VD6N(E) series
Working Environment		Working temperature: 0°C ~ 40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W/180W ATX single power supply. Note: When redundant power supply is selected, the chassis needs to be deepened by 50 mm
Overall Dimensions (excluding mounting ears)		440mm(W) × 44mm(H) × 501mm (D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-189481	NPC-8128E-03/I3-6100 processor /8G memory /1T hard disk /3BP/250W single power supply	Standard 1U rack-mounted barebone system/H110 platform/I3-6100 CPU/1*8G memory/1*1T hard disk/onboard 6*Gigabit electrical port/3 groups of BP/with NET-1828VD6N(E)-02 motherboard/standard 250W single power supply
0010-189491	NPC-8128E-03/I3-6100 processor /8G memory /1T hard disk /2BP/250W	Standard 1U rack-mounted barebone system/H110 platform/I3-6100 CPU/1*8G memory/1*1T hard disk/onboard 6*Gigabit electrical ports/2 groups of BP/with NET-1828VD6N(E)-04 motherboard/standard 250W single power supply
0010-189501	NPC-8128E-03/I3-6100/8G/1T/0BP/250W	Standard 1U rack-mounted barebone system/H110 platform/I3-6100 CPU/1*8G memory/1*1T hard disk/onboard 6*Gigabit electrical port/0 group of BP/with NET-1828VD6N(E)-06 motherboard/standard 250W single power supply
0020-067471	NPC-8128E-03 / no processor / no memory / no hard disk/0BP/250W single power supply/barebone system	Standard 1U rack-mounted barebone system/H110 platform/no CPU/no memory/no hard disk/onboard 6*Gigabit electrical port/0 group of BP/with NET1828VD6N(E)-06 motherboard/standard 250W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

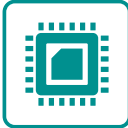
NPC-8228-02

Network Application Platform

NPC-8228-02 is the 3rd Gen 2U19" dual motherboard gatekeeper product of EVOC. Based on X86 architecture, it adopts Intel mainstream chipset C236 and supports Intel® LGA1151 packaging SkyLake and KabyLake series E3\I7\I5\I3 Xeon, Core, Pentium and Celeron 10th Gen processors. The memory of a single-layer motherboard can reach 32GB. The complete PC is designed with several EVOC patents or special technologies, and its performance far exceeds that of the previous generation of H61 platform products.



Product Features

- 

Supports multiple series of processors
- 

Multiple hard disk bays
- 

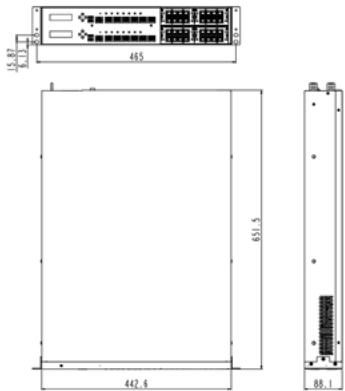
Supports multiple power supplies
- 

Abundant LAN ports
- 

All-round reinforcement
- 

Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	C236: supports LGA1151 packaging i3, i5, i7 Core 6th/7th Gen processors, Xeon E3-1200 v5 and v6 series processors H110: supports LGA1151 packaging i3, i5, i7 Core 6th/7th Gen processors
	Chipset	Intel C236 (optional Intel H110)
	Memory	Single board: provides 2 x 288Pin standard DDR4 memory slot, and the total capacity of the complete PC can reach 32GB (UDIMM memory is selected)
Storage Port	SATA	Single board: supports 4 x SATA3.0 port, and standard configuration of 1 x hard disk bay (3 x SATA3.0 port free)
	MSATA	Single board: 1 x Cfast slot optional (occupying 1 x SATA3.0 resource)
I/O Port	USB	Single board: provides 2 x USB port (front), 2 x USB2.0 pin (built-in) and 1 x USB3.0 pin (built-in)
	COM	Single board: provides 1 x RJ45 Console port (front) and 1 x RS232 serial port pin (built-in)
Display Port		Single board: provides 1 x VGA port
Network Card Chip		Intel® I210/I211
LAN Port		Single board: provides 6 x Gigabit electrical port
Bypass		Single board: onboard 8-channel GPIO port
Expansion Bus	PCIE	Single board: onboard 1 x PCIE 8X slot
	ENS	Single board: 2 x ENS expansion slot can be selected for the C236 chipset; the H110 chipset has no ENS expansion slot
Matched Motherboard		NET-1828VD6N motherboard series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Supports 550W ATX redundant power supply
Overall Dimensions (excluding mounting ears)		440mm(W)x88mm(H)x651mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-126931	NPC-8228-02/I7-6700*2/8G*2/1T*2/550W redundant power supply	Intel C236 platform/dual motherboard gatekeeper/I7-6700*2/8GB memory*2/onboard 6 x electrical port*2/2 groups of BYPASS *2/supports 2 x ENS network card expansion module *2/2U network platform/with NET-1828VD6N-03 motherboard*2/550W ATX redundant power supply*1
0010-124751	NPC-8228-02/E3-1275V5*2/8G*2/1T*2/550W redundant power supply	Intel C236 platform/dual motherboard gatekeeper/E3-1275 V5*2/8GB memory*2/onboard 6 x electrical port*2/2 groups of BYPASS *2/supports 2 x ENS network card expansion module *2 / 2U network platform/with NET-1828VD6N-03 motherboard*2/550W ATX redundant power supply*1

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

NPC-8208

Network Application Platform

NPC-8208B is a standard 2U 19" rack-mounted network application platform, which adopts Intel® C236 chipset and supports intel® LGA1151 packaging Sky Lake or Kaby Lake 6th/7th Gen processors. The total memory capacity of the complete PC can reach 64GB, and it is compatible with a single power supply, redundant power supply or DC power supply. The platform adopts a modular design. By configuring network modules, it can support up to 32 high-performance Gigabit LAN ports and 16 groups of bypass. NPC-8208 product can be widely used in high-end network security application fields such as enterprise firewalls, enterprise antivirus walls, load balancing and application delivery.



Product Features

Supports multiple series of processors

Multiple memory slots

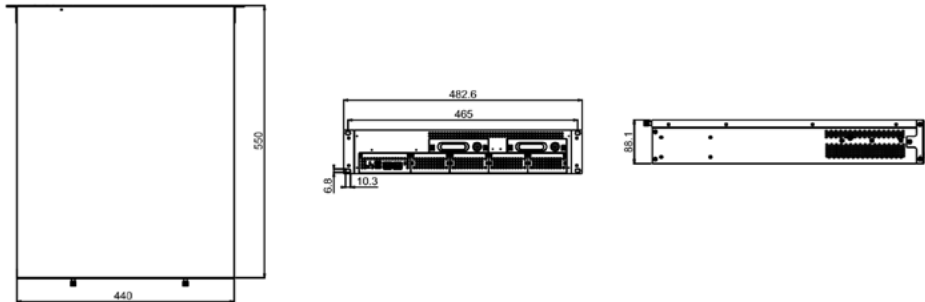
Multiple hard disk bays

Abundant LAN ports

Hard disk encryption

Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Optional LGA1151 packaging i3/i5/i7 Core 6th/7th Gen processor, Xeon E3-1200 v5/v6 series processor
	Chipset	Intel C236
	Memory	Provides 4 x DDR4 memory slot, supporting un-buffered ECC/Non-ECC memory modules, and the total capacity of the complete PC can reach 64GB
Storage Port	SATA	Supports 3 x SATA 3.0 port, and standard configuration of 1 x hard disk bay (2 x SATA3.0 port free)
	MSATA	1 x Cfast slot optional (occupying 1 x SATA3.0 resource)
I/O Port	USB	2 x USB2.0 port (front); 4 x USB pins (built-in)v
	COM	1 x RJ45 Console port (front); 1 x RS232 serial port pin (built-in)
Display Port		1x VGA port
Network card chip		Intel® I210/I211
LAN port		Onboard 1 x Gigabit electrical port
GPIO		The motherboard supports 8-channel GPIO port
Expansion Bus	PCIE	Onboard 1 x PCIE X8 slot (resource multiplexing with one ENS slot)
	ENS	4 x ENS network card expansion slot
Matched Motherboard		NET-1825VDN(B) series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W single power supply/350W ATX redundant power supply
Overall Dimensions (excluding mounting ears)		440mm(W) × 88mm(H) × 550mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and later). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0020-067541	NPC-8208B/NET-1825/250W single power supply	Standard 2U rack-mounted network application barebone system/onboard 1 x Gigabit electrical port/4*ENS network card expansion slot/1*PCIE X8 slot (occupying one ENS slot)/250W single power supply
0020-067551	NPC-8208B/NET-1825/350W redundant power supply	Standard 2U rack-mounted network application barebone system/onboard 1 x Gigabit electrical port/4*ENS network card expansion slot/1*PCIE X8 slot (occupying one ENS slot)/350W redundant / single power supply
0010-190661	NPC-8208B/NET-1825/I3-6100/8GB/1T/250W single power supply	Standard 2U rack-mounted network application platform complete PC/1*I3-6100 CPU/1*8GB DDR4 memory/1*1T HDD/onboard 1 x Gigabit electrical port/4*ENS network card expansion slot/1*PCIE X8 slot (occupying one ENS slot)/250W single power supply
0010-190671	NPC-8208B/NET-1825/I7-6700 /8GB/1T/350W redundant power supply	Standard 2U rack-mounted network application platform complete PC/1*I7-6700 CPU/1*8GB DDR4 memory/1*1T HDD/onboard 1 x Gigabit electrical port/4*ENS network card expansion slot/1*PCIE X8 slot (occupying one ENS slot)/350W redundant power supply
0010-190681	NPC-8208B/I210/E3-1275V5 /8GB/1T/350W redundant power supply	Standard 2U rack-mounted network application platform complete PC/1*E3-1275V5 CPU/1*8GB DDR4 memory/1*1T HDD/onboard 1 x Gigabit electrical port/4*ENS network card expansion slot/1*PCIE X8 slot (occupying one ENS slot)/350W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

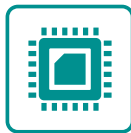
N35-03

Network Application Platform

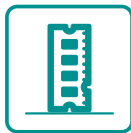
N35-03 is a medium- and high-end network security product based on the X86 architecture. The complete PC adopts a standard 2U 19" rack-mounted chassis with an internal modular design, which is convenient for expanding LAN ports and storage expansion. The N35 has 5 front ENS expansion slots (optional 7 x ENS expansion slots), supporting up to 64 x Gigabit LAN ports or 28 x 10-Gigabit LAN ports, which can meet various network security application requirements in the market. It can be widely used in the hardware requirements of various network security service applications such as load balancing, data audit, application delivery, Internet behavior management and audit, next-generation firewall, traffic management, VPN, IDS/IPS, UTM, etc.



Product Features



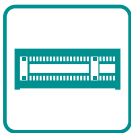
Supports multiple series of processors



Multiple memory slots



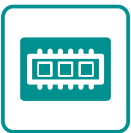
Supports hard disk encryption, intrusion detection and BPI port



Multi-network expansion slot



Support forced Bypass switch

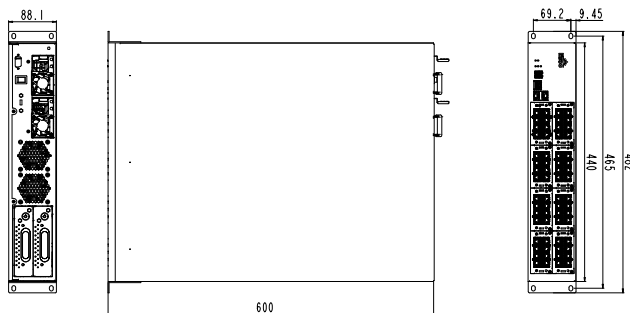


Optional IPMI function



Support VGA

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports Intel® 8th/9th Gen Core, Xeon E series, Celeron, Pentium and other LGA1151 packaging processors
	Chipset	Intel®C246
	Memory	Provides 4 x DDR4 memory slot, supports Un-buffered ECC and Non-ECC memories, and the maximum capacity of the complete PC is 128GB;
Storage Port	SATA	Supports 2 x SATA3.0 port (one of which is multiplexed with MSATA), and standard configuration of 1 x hard disk bay
	MSATA	1 x MSATA slot
I/O Port	USB	2 x USB3.0 port (external); 2 x USB3.0 pin (built-in)
	COM	1 x RJ45 Console port (external); 1 x RS-232 serial port pin (built-in)
Display Port		1x VGA port
Network card chip		Intel® I210/I211
LAN port		6 x Gigabit electrical port + 4 x Gigabit optical port Note: N35-03-09 is equipped with 2 x Gigabit electrical port, one of which can be replaced by an IPMI port (subject to actual configuration)
IPMI		Optional BMC module, supporting IPMI (Intelligent Platform Management Interface) function
Expansion Bus	PCIE	1 x PCIE X8 (X4 signal)
	ENS	5 x ENS expansion slot (7 optional), Note: 4/6/8 ENS expansion slots are optional for N35-03-09 configuration
Matched motherboard		NET-1836VD2N series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Supports 350W redundant AC power supply (optional 250W single power supply)
Overall Dimensions (excluding mounting ears)		440mm(W)x88mm(H)x550mm(D)
Supported Operating Systems		Linux OS (kernel version 2.6 and above). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-189991	N35-03B-06/I5-8500/8G/1T/6ENS/250W single power supply	Standard 2U rack-mounted complete PC/I5-8500 3.0G 6C/8G memory/1T HDD/2 x Gigabit electrical port/6*ENS network card expansion slot/1*PCIE X8 slot/2*USB/1*console port/250 single power supply
0010-190001	N35-03B-07/E-2278GE/8G/1T/5ENS/350W redundant power supply	Standard 2U rack-mounted complete PC/E-2278GE 3.3G 8C/8G memory/1T HDD/6 x Gigabit electrical port (2 groups of BP)/ 4 x Gigabit optical port/5*ENS network card expansion slot/1*PCIE X8 slot/2*USB 3.0/1*console port/350W redundant power supply
0010-190011	N35-03B-08/I7-8700/8G/1T/7ENS/350W redundant power supply	Standard 2U rack-mounted complete PC/I7-8700 3.2G 6C/8G memory/1T HDD/6 x Gigabit electrical port (2 groups of BP) 4 x Gigabit optical port/7*ENS network card expansion slot/1*PCIE X8 slot/2*USB/1*console port/350W redundant power supply
0010-190021	N35-03B-09/I7-8700/8G/1T/8ENS/350W redundant power supply	Standard 2U rack-mounted complete PC/I7-8700 3.2G 6C/8G memory/1T HDD/2 x Gigabit electrical port/8*ENS network card expansion slot/1*PCIE X8 slot/2*USB/1*console port/350W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

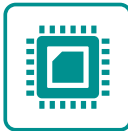
NPC-8232

Network Application Platform

NPC-8232 is a network security product developed based on Atom P5300 series processors. It has a dominant frequency of 2.2GHz, a maximum cache of 27M and supports up to 24 cores. The complete PC adopts a 2U, 19-inch standard rack-mounted design, with onboard 8 x SFP + 10-Gigabit optical ports and 8 x RJ45 Gigabit electrical ports, supporting 6 x ENS network expansion slots (supporting 1U chassis customization), and the complete PC can support up to 64 LAN ports. NPC-8232 supports 8 to 24 cores, features high bandwidth and low latency, and can be widely used in network security application scenarios such as enterprise firewalls, VPN, load balancing, IPS/IDS, etc.



Product Features



P5300 processor



50G~100GQAT



Onboard direct output of 8 x 10-Gigabit optical port



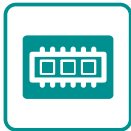
Dual DDR4 memory slot



BP function

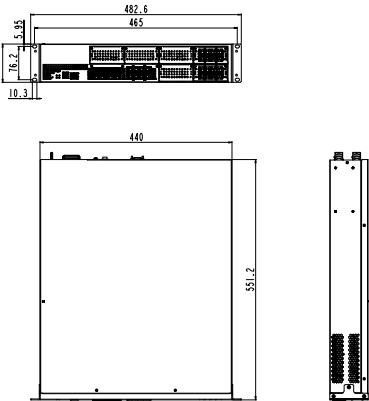


Supports quick customization of



Optional IPMI function

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports Atom P5300 series processor, optional P5322/P5332/P5342/5352/5362, number of cores: 8~24
	Chipset	SOC
	Memory	Provides 4 x DDR4 RDIMM/UDIMM memory slot, with single-slot support of up to 64G and a maximum memory frequency of 2933MHz
Storage Port	SATA	Supports 2 x SATA3.0 port, and standard configuration of 1 x hard disk bay (1 x SATA3.0 port free)
	MSATA	1 x MSATA slot
I/O Port	USB	2 x USB 2.0 port (front); 2 x USB 2.0 wafer socket (built-in)
	COM	1 x RJ45 Console port (front), RS232 mode by default, supporting redirection function
Display Port		1 x VGA port (optional and can be led out at the rear). Note: If necessary, please indicate that a VGA port is provided when placing an order
Network card chip		Intel®I350
LAN port		Onboard 8 x 10-Gigabit optical port +8 x Gigabit electrical port, supporting 4 groups of bypass
Expansion Bus	PCIE	Onboard 1 x standard PCIE X8 slot (X4 signal)
	ENS	6 x ENS expansion slot
Matched Motherboard		NET-1840VD16N series
Working Environment		Working temperature: 0°C ~40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Standard 350W ATX redundant power supply
Overall Dimensions (excluding mounting ears)		440mm (W) x88mm(H)x550mm (D)
Supported Operating Systems		Supports RHEL7.8, SLES SP4 64bit, Ubuntu20.04, Centos7.8 and above operating systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-181941	NPC-8232-01/8G/2T/350W redundant power supply	Standard 2U rack-mounted complete PC/Atom P5322 2.2GHz/12C/8G DDR4/2T hard disk (enterprise level)/8*Gigabit electrical port (4 groups of Bypass), 8*SFP+/4*ENS network expansion slot/1*PCIE standard X8 slot/1*Console port/2*USB 2.0/1*Msata/2*SATA/1*MiniPCIE/350W redundant power supply
0010-181951	NPC-8232-02/8G/2T/350W redundant power supply	Standard 2U rack-mounted complete PC/Atom P5342 2.2GHz/16C/8G DDR4/2T hard disk (enterprise level)/8*Gbe (4 groups of Bypass), 8*SFP+/4*ENS network expansion slot/1*PCIE standard X8 slot/1*Console port/2*USB 2.0/1*Msata/2*SATA/1*MiniPCIE/350W redundant power supply
0010-181961	NPC-8232-03/8G/2T/350W redundant power supply	Standard 2U rack-mounted complete PC/Atom P5362 2.2GHz/24C/8G DDR4/2T hard disk (enterprise level)/8*Gbe (4 groups of Bypass), 8*SFP+/6*ENS network expansion slot/1*PCIE standard X8 slot/1*Console port/2*USB 2.0 port/1*Msata/2*SATA/1*VGA port/350W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

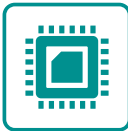
NPC-8220

High-performance Network Application Platform

NPC-8220 is a standard 2U rack-mounted high-performance network application platform with stronger CPU computing power, greater network throughput capacity and richer LAN port configurations. The complete PC adopts an Intel® C612 chip and supports two Intel® LGA2011 packaging Xeon E5-2600 V3/V4 series CPUs. The modular structure design supports 8 x ENS modules. By configuring the network module, it can support up to 64 x Gigabit LAN ports or 32 x 10-Gigabit optical ports to ensure efficient LAN data throughput. It is configured with 4 x hard disks and supports Raid cards to provide convenient big data storage. The product can be widely used in LAN security application fields such as new-generation high-end application delivery, enterprise firewall, load balancing, UTM, IDS, IPS and VPN.



Product Features



Support dual-channel processor



16 x DDR4 memory



All-round reinforcement



Multiple hard disk bays

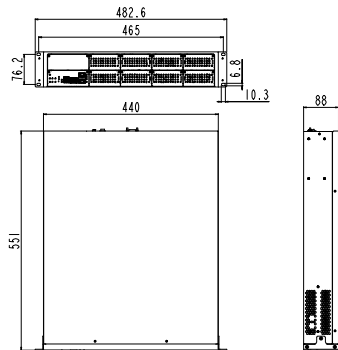


Front abundant ports



Hard disk encryption

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports 2 x Intel® Xeon® processor E5-2600 V3/V4 series CPU
	Chipset	Intel®C612
	Memory	16 x DDR4 memory slot, supporting RDIMM/LRDIMM memory, with a maximum memory capacity of 512GB
Storage Port	SATA	Supports 5 x SATA3.0 port, and 4 x ENS extended model; supports 3 x hard disk bay, and 8 x ENS extended model; supports 2 x 2.5-inch hard disk bay
I/O Port	USB	6 (2 x USB2.0 at the front, 4 x slot built-in including 2 x USB3.0)
	COM	2 (1 x RJ45, 1 x RS-232 pin built-in)
Display Port		VGA
Network card chip		I210/I211
LAN Port		2 x 10/100/1000Mbps RJ-45 debugging LAN port, 1 x IPMI (optional)
Expansion Bus	ENS	4 or 8 x ENS expansion slot
	PCI-E	2 x PCIE X8, 1 x X8 (X4 signal)
Matched Motherboard		Matched motherboard: NET-2815 series; Matched motherboard: NET-2815VD2N-01, 4 x ENS expansion slot, supporting 3 x 3.5-inch hard disk bay; Matched motherboard: NET-2815VD2N-02, up to 8 x ENS expansion slot, supporting 2 x 2.5-inch hard disk bay
Working Environment		Temperature: 0°C-40°C/humidity: 10%-95% (non-condensing)
Storage Environment		Temperature: -20°C-70°C/humidity: 10%-95% (non-condensing)
Power supply		550W ATX redundant power supply (support single or redundant power supply)
Dimensions (W×H×D)		440mm ×88mm×550mm
Supported operating system		Linux (CentOS, Red Hat, Ubuntu). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-087771	NPC-8220-03	Standard 2U rack-mounted chassis NPC-8220-03/ C612 platform/2*E5-2620V4 CPU/2*8G DDR4/ onboard 2 × Gigabit electrical port/2*1T/4 × ENS slot/3 × PCIE slot/4 × pull-out hard disk bay/550W redundant power supply
0010-087781	NPC-8220-04	Standard 2U rack-mounted chassis NPC-8220-04/ C612 platform/2*E5-2620V4 CPU/2*8G DDR4/ onboard 2 × Gigabit electrical port/2*500G /8 × ENS slot/3 × PCIE slot/550W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

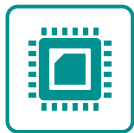
NPC-8230

High-performance Network Application Platform

NPC-8220 is a standard 2U rack-mounted high-performance network application platform with stronger CPU computing power, greater network throughput capacity and richer LAN port configurations. The complete PC adopts an Intel® C612 chip and supports two Intel® LGA2011 packaging Xeon E5-2600 V3/V4 series CPUs. The modular structure design supports 8 x ENS modules. By configuring the network module, it can support up to 64 x Gigabit LAN ports or 32 x 10-Gigabit optical ports to ensure efficient network data throughput. It is configured with 4 x hard disks and supports Raid cards to provide convenient big data storage. The product can be widely used in network security application fields such as new-generation high-end application delivery, enterprise firewall, load balancing, UTM, IDS, IPS and VPN.



Product Features



Support dual-channel processor



Hard disk encryption



20 x memory slot

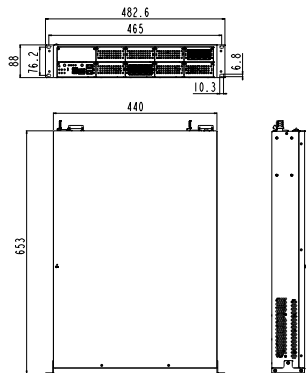


Abundant LAN ports



Abundant serial ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports 2 x Intel® Xeon Processor Scalable Family CPU (Skylake SP/Cascade Lake SP)
	Chipset	Intel®C621/C627
	Memory	20 × DDR4 memory slot, supporting RDIMM/LRDIMM memory, with a maximum memory capacity of 2560GB
Storage Port	SATA	Supports 4 × SATA3.0 interface, and 4 × ENS expansion model; supports 3 × hard disk bay, and 8 × ENS expansion model; supports 1 × 3.5-inch hard disk bay
	MSATA	1 × MSATA port, and 8 × ENS expansion models; 1 × M.2 KEY-B (optional)
	M.2	M.2 1 (KEY-B M.2 2280, optional)
I/O Port	USB	2 × USB3.0 pin at front and 1 × built-in USB 2.0 pin
	COM	2 (1 × RJ45, 1 × RS-232 pin built-in)
Display Port		VGA
Network card chip		I210/I211
LAN Port		2 × 10/100/1000Mbps RJ-45 debugging LAN port, 4 × 10 Gigabit optical ports (optional), and 1 × IPMI (optional)
Expansion Bus	ENS	4 × ENS slot or 8 × ENS slot; 4 × ENS expansion model, supporting 3 × hard disk bay; 8 × ENS expansion models, supporting 1 × 3.5-inch hard disk bay and 1 × M.2 KEY B
	PCI-E	2 × PCIE X8 or 1 × X8 + 1 x 16X
Matched Motherboard		NET-2816 series
Working Environment		Temperature: 0°C-40°C/humidity: 10%-95% (non-condensing)
Storage Environment		Temperature: -20°C-70°C/humidity: 10%-95% (non-condensing)
Power supply		800W ATX redundant power supply (supports single or redundant power supply)
Dimensions (W×H×D)		NPC-8230-01/04: 440mm (W) × 88mm (H) × 653mm (D) NPC-8230-02/03: 440mm (W) × 88mm (H) × 659mm (D)
Operating system		Linux (CentOS, Red Hat, Ubuntu). Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-162371	NPC-8230-01/4210R*2/16G*2/2T/550W redundant	Standard 2U rack-mounted chassis NPC-8230-01/ C621 platform/2*4210R CPU/2*16G DDR4 / 2*Gigabit electrical port/1*2T/ 8 × ENS slot/2 × PCIE slot/550W redundant power supply/2U network system platform
0010-163451	NPC-8230-02/4210R*2/16G*2/2T/550W redundant	Standard 2U rack-mounted chassis NPC-8230-02/C621 platform/2*4210R CPU/2*16G DDR4/2*Gigabit electrical port/1*2T/4 × ENS slot/2 × PCIE slot/550W redundant power supply/2U network system platform
0020-066241	NPC-8230-03/550W redundant power supply	Standard 2U rack-mounted chassis NPC-8230-03/Intel C621 platform/supporting two Xeon Scalable CPUs/20×DDR4 memory slots/4 × ENS slot/2 × PCIE slot/4 × 3.5-inch hard disk/550W redundant power supply
0020-066221	NPC-8230-04/550W redundant	Standard 2U rack-mounted chassis NPC-8230-03/Intel C621 platform/supporting two Xeon Scalable CPUs/20 × DDR4 memory slot/8 × ENS slot/2 × PCIE slot/1 × 3.5-inch hard disk/550W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

NPC-5115-ZX

Network Application Platform

NPC-5115-ZX is a network security application product developed based on autonomous controllable ZX-C+ and ZX-C series quad-core processors. The motherboard is fully compatible with X86 architecture and adapts to the traditional Linux operating system. The complete PC can be configured with DDR3 32GB memory, onboard 6 × Gigabit electrical port, and 2 × optional ENS expansion slot. NPC-5115-ZX is mainly used in mainstream firewalls, antivirus walls, VPN, gatekeepers and network acceleration.



Product Features



Onboard 6 × electrical port



Optional encryption card and acceleration card



Optional SM3 and SM4 national encryption algorithms

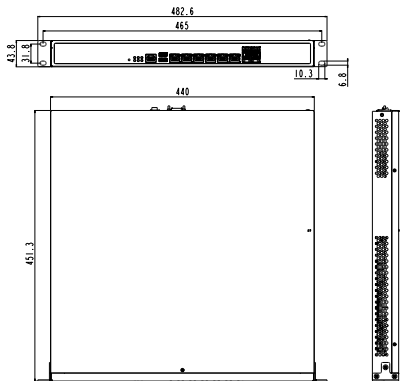


Mainstream domestic system



External bypass switch for easy O&M

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	C-Quadcore C4710 quad-core processor, with a dominant frequency of 2.0GHz and power consumption of 18W; C-Quadcore C4600 quad-core processor, with a dominant frequency of 2.0GHz and power consumption of 18W (SM3 and SMS4 national encryption algorithms not supported)
	Chipset	ZX-100S
	Memory	Supports 2 × DDR3 memory slot and Un-buffered ECC, and the total capacity of the complete PC can reach 32GB
Storage Port	SATA	2 × SATA 3.0 interface, and standard configuration of 1 × hard disk bay (1 × free SATA3.0 interface)
	Cfast	/
I/O Port	USB	2 × USB3.0 port (at front); 2 × built-in USB2.0 pin and 2 × USB3.0 pin
	COM	1 × Console port (at front); 1 × RS232 serial pin (built-in)
Display Port		1x VGA port
Network card chip		Intel® I210/I211
Network port		Onboard 6 x Gigabit electrical port
GPIO		The motherboard supports 8-channel GPIO port
Expansion Bus	PCIE	Onboard 1 × standard PCI_E2.0 8X (X8 signal, multiplexed with ENS slot resources, one out of two)
	ENS	1 × ENS expansion slot (two optional expansions, EB-X8N-200B Part No.: 1090-012451)
Matched Motherboard		NET-1512VD6N series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W/180W ATX (300W 1+1 redundancy is optional, and the chassis needs to be lengthened)
Overall Dimensions (excluding mounting ears)		440mm(W)x43.8mm(H)x451.3mm(D)
Supported Operating Systems		Linux (CentOS, Red Hat, Ubuntu), Kylin operating system. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-122231	NPC-5115/ZX/C4600/1BP/4G/1TB/180W	Standard 1U rack mount ZX-100S platform complete PC/C4600 CPU/4GB memory/1TB hard disk/ onboard 6 × electrical ports/1 group of bypass/supporting 1 × ENS network card expansion module position/matched with NET-1512VD6N-08 motherboard/standard 180W ATX power supply
0010-144911	NPC-5115/ZX/C4710/1BP/8G/1TB/180W	Standard 1U rack mount ZX-100S platform complete PC/C4710 CPU/8GB memory/1TB hard disk/ onboard 6 × electrical ports/1 group of bypass/supporting 1 × ENS network card expansion module position/matched with NET-1512VD6N-08 motherboard/standard 180W ATX power supply
0010-143241	NPC-5115/ZX/C4710/3BP/8G/1TB/180W	Standard 1U rack mount ZX-100S platform complete PC/C4710 CPU/8GB memory/1TB hard disk/ onboard 6 × electrical port/3 groups of bypass/supporting 1 × ENS network card expansion module position/matched with NET-1512VD6N-03 motherboard/standard 180W ATX power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

NPC-5115C-ZX

Network Application Platform

NPC-5115C-ZX is a network security product developed based on independent and controllable ZX-C4000 series processors. The complete PC provides 2 × DDR3 memory slot, onboard 6 × Gigabit electrical port and 4 × Gigabit optical port, and supports 1 × ENS expansion slot. NPC-5115C-ZX adopts a fully compatible X86 architecture, and supports traditional Linux operating systems and mainstream domestic operating systems. It has low software and system transplantation costs and helps network security users quickly realize localization replacement. It is mainly used in firewalls, antivirus walls, next-generation firewalls, VPN, DNS, IDS/IPS and other application scenarios.



Product Features

High performance and low power consumption

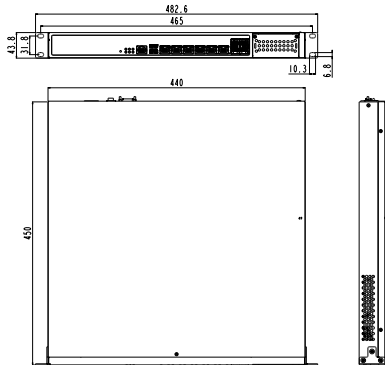
Bypass function

Domestic mainstream system

Onboard 10 × LAN port

Quick customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports ZX-4000 series: C4580/C4701/C4600/C4710, etc.
	Chipset	ZX-100S
	Memory	2 × DDR3 memory slot optional, with a maximum capacity of the complete PC of up to 32GB
Storage Port	SATA	2 × SATA 3.0 interfaces. Note: Standard configuration of 1 × hard disk bay, and 1 × free SATA interface; the economical model is equipped with 1 × MSATA interface, without SATA interface or SATA hard disk bay
	MSATA	1 × MSATA slot
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB2.0 pin (built-in)
	COM	1 × Console port (at front), 1 × serial port pin (built-in)
Display Port		1x VGA port
Network card chip		I210+WX1860
LAN port		Onboard 6 × 10/100/1000Mbps RJ-45 interfaces and 4 × Gigabit optical port
GPIO		The motherboard supports 8-channel digital GPIO interface
Expansion Bus	PCIE	Onboard horizontal expansion of 1 × standard PCI_E2.0 X8 (X1 signal)
	ENS	1 × ENS LAN port expansion slot
Matched Motherboard		NET-1512VD10 series
Working Environment		Working temperature: 0°C ~40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Supports single/dual power supply
Overall Dimensions (excluding mounting ears)		440mm(W) × 44mm(H) × 450mm(D)
Supported Operating Systems		Linux (CentOS, Red Hat, Ubuntu) and Kylin. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-177131	NPC-5115C-01/ZX/C4580/8G/64G/84W single power supply	standard 1U rack-mounted complete PC/ZX-100S platform/C4580 CPU/8GB memory/1*64G MSATA/onboard 6 × electrical port and 4 × optical port/3 groups of bypass/84W single power supply
0010-177141	NPC-5115C-02/ZX/C4580/8G/64G/84W dual power supply	standard 1U rack-mounted complete PC/ZX-100S platform/C4580 CPU/8GB memory/1*64G MSATA/onboard 6 × electrical port and 4 × optical port/3 groups of bypass/84W dual power supplies
0010-175831	NPC-5115C-03/ZX/C4580/8G/1T/150W single power supply	Standard 1U rack-mounted complete PC/ZX-100S platform/C4580 CPU/8GB memory/1T HDD hard disk/onboard 6 × electrical port and 4 × optical port/3 groups of bypass/1 × ENS network card expansion module position/1 group of 8-channel GPIO/150W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

NPC-8208-ZX

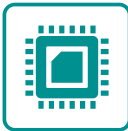
Network Application Platform

NPC-8208B-ZX is a standard 2U rack mount domestic network security application product developed based on the domestic ZX KX-6000 series processor (optional quad-core or eight-core), supporting 4 × DDR4 memory, with a memory capacity of the complete PC of up to 64G, and supporting up to 34 × Gigabit LAN port through the configuration of network modules.

NPC-8208B-ZX can be widely used in firewalls, antivirus walls and load balancing, Internet behavior management and audit, application delivery, VPN, IDS/IPS, UTM and other network security fields.



Product Features



Domestic Zhaoxin



Four memory slots



Multiple hard disk bays



Abundant LAN ports

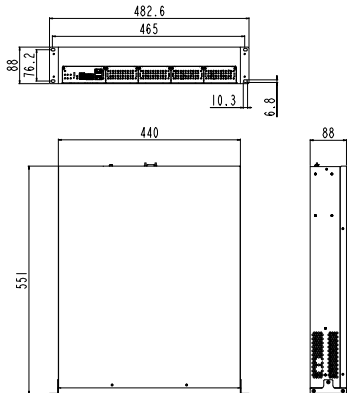


Support rapid customization



Support domestic operating system

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	ZX-E KX-6000 series processor (optional quad-core or eight-core)
	Chipset	ZX-E
	Memory	4 × DDR4 memory slot, with a complete PC capacity of 64G
Storage Port	SATA	2 × SATA interface, and standard configuration of 1 × hard disk bay (1 × free SATA interface)
	MSATA	1 x MSATA slot
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB2.0 pin (built-in)
	COM	1 × Console port
Display Port		1 × VGA port, 2 × DVI connector (optional)
Network card chip		Intel® I210/I211
Network port		2 x Gigabit electrical port (LAN1 supports WOL and PXE)
GPIO		The motherboard supports 8-channel GPIO interface
Expansion Bus	PCIE	Onboard horizontal insertion of 1 × PCIE x8 slot (X4 signal); onboard 1 × Mini_PCIE slot (X1 signal)
	ENS	4 x ENS network card expansion slot
Matched Motherboard		NET-1835 series
Working Environment		Working temperature: 0°C ~40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W ATX single power supply (optional 350W ATX redundant power supply)
Overall Dimensions (excluding mounting ears)		440mm(W) × 88.1mm(H) × 550mm(D)
Supported Operating Systems		Linux OS (kernel 2.6 or above), Kylin, NFS-China and other operating systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-189761	NPC-8208B-ZX /KX-6640A/8GB/1TB HDD/4 × ENS slot/250W single power supply	Domestic ZX-E platform/KX-6640A 2.6GHZ/8GB memory/supporting 2 × 3.5-inch HDD hard disk bay/onboard 2*Gigabit electrical ports/4*ENS expansion slots/250W single power supply/2U rack mount network security product
0010-186341	NPC-8208B-ZX/KX-U6780A/8GB/1TB HDD/4 × ENS slot/250W single power supply	Domestic ZX-E platform/KX-U6780A 2.7GHZ/8GB memory/1T hard disk/2 × Gigabit electrical port/4*ENS expansion slots/250W single power supply
0010-189771	NPC-8208B-ZX/KX-U6780A/8GB/1TB HDD/4 × ENS slot/350W redundant power supply	Domestic ZX-E platform/KX-U6780A 2.7GHZ/8GB memory/1T hard disk/2 × Gigabit electrical port/4*ENS expansion slots/350W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

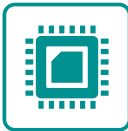
N35-HG

Domestic Network Application Platform

N35B-HG is a standard 2U rack mount domestic network security application product developed based on Hygon 3200/3300 series processors (optional quad-core or eight-core). It supports 2 × DDR4 memory slot. The maximum capacity of the complete PC is 64G, with onboard 8 × Gigabit electrical port and 2 × ENS network expansion module. The complete PC can have up to 24 × Gigabit LAN port. The N35B-HG can be widely used in the network security fields of finance, electricity, telecommunications, energy, transportation, medical and other industries, such as firewalls, antivirus walls, load balancing, Internet behavior management and audit, application delivery, WAF, IDS/IPS, UTM and other network security application scenarios.



Product Features



Domestic platform



2 x memory slot



Multiple hard disk bays



Abundant LAN ports

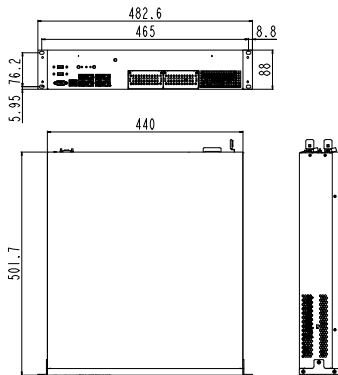


Mainstream domestic OS



Support rapid customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports Hygon-3230/3250, 3330/3350 and other processors
	Chipset	/
	Memory	Provides 2 × DDR4 memory slot, and the total capacity of the complete PC can reach 64G
Storage	SATA	2 × SATA3.0 interface, and standard configuration of 1 × hard disk bay (1 × free SATA interface)
	Cfast	Optional 1 × CFast card slot (optional)
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB2.0 (built-in)
	COM	1 × Console port (at front), 1 × DB9 serial port (at front)
Display Port		There is no display port by default, which can be expanded through the Mini PCIe slot. With AMI BIOS, use 1060-004621 EF-V-001. With domestic BIOS, use 1060-009761 EF-V-001-EFI
Network card chip		Intel®I210/ I211
Network port		Onboard 8 × Gigabit electrical port
GPIO		The motherboard supports 8-channel digital GPIO interface
Expansion Bus	PCIE	Onboard 1 × standard PCIE3.0 x8 slot (built-in, X4 signal), and 1 × Mini_PcIE slot (built-in, X1 signal)
	ENS	2 x ENS network card expansion slot
Matched Motherboard		ECS-1501-HG series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		350W ATX single power supply (optional redundant power supply)
Overall Dimensions (excluding mounting ears)		440mm(W) × 88mm(H) × 501mm(D)
Supported Operating Systems		Kylin, NeoKylin, Kylinsec and other Hygon operating systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-204041	1*8G/1T/2ENS/350W single power supply	Standard 2U rack-mounted complete PC/Hygon Platform/HG3250 eight-core 16-thread 2.8GHZ/1*8GB/1*1TB 3.5" HDD/onboard 8*Gigabit electrical ports/2*ENS slot/1*VGA port/1*Console port/2*USB port/1*350W single power supply
0010-204051	1*8G/1T/2ENS/350W re-dundant power supply	Standard 2U rack-mounted complete PC/Hygon Platform/HG3250 eight-core 16-thread 2.8GHZ/1*8GB/1*1TB 3.5" HDD/onboard 8*Gigabit electrical ports/2*ENS slot/1*VGA port/1*Console port/2*USB port/1*350W redundant power supply
0010-204061	1*8G/1T/2ENS/350W re-dundant power supply	Standard 2U rack-mounted complete PC/Hygon Platform/HG3350 eight-core 16-thread 3.0GHZ/1*8GB/1*1TB 3.5" HDD/ onboard 8*Gigabit electrical ports/2*ENS slot/1*VGA port/1*Console port/2*USB port/1*350W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

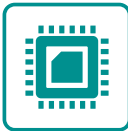
NPC-8208-HG

Network Application Platform

NPC-8208B-HG is a standard 2U rack mount network security application product developed based on the domestic Hygon 3200 series processor, supporting 4 × DDR4 memory slot. The capacity of the complete PC can reach 128G, with onboard 2 × Gigabit LAN port and 4 × ENS network module (optional 8 × ENS extension slots). The complete PC supports up to 34 × Gigabit LAN port (optional 16 groups of bypass). NPC-8208B-HG can be widely used in the network security fields of finance, power, telecommunications, energy, transportation, medical and other industries, such as firewalls, antivirus walls, load balancing, Internet behavior management and audit, application delivery, WAF, IDS/IPS, UTM and other network security application scenarios.



Product Features



Domestic platform



Multiple memory slots



Multiple hard disk bays



Abundant LAN ports

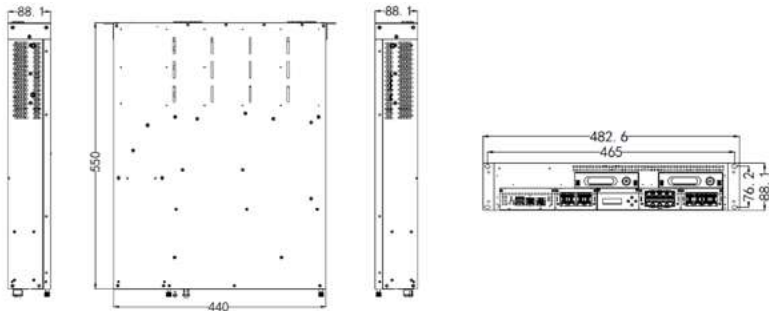


Mainstream domestic OS



Support rapid customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports Hygon-3230/3250, 3330/3350 and other processors
	Chipset	/
	Memory	Supports 4 × DDR4 memory slot, and the total capacity of the complete PC can reach 256G
Storage	SATA	3 × SATA3.0 interface, and standard configuration of 1 × hard disk bay (2 × free SATA3.0 interface)
	MSATA	1 x MSATA slot
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB3.0 (built-in JN socket)
	COM	1 × Console port and 1 × serial Wafer socket (built-in, RS232 by default)
Display Port		1x VGA port
Network card chip		Intel®I210/ I211
Network port		Onboard 2 × Gigabit electrical port (LAN1 supports WOL and PXE)
TPM Port		Supports trusted computing of TPM and TCM modules
Expansion Bus	PCIE	1 × PCIE3.0 x8 slot (optional, X4 signal), to be used with 1090-014911 EB-X4N-100B module
	ENS	Standard configuration of 4 × ENS network card expansion slots, up to 8 × ENS network card expansion slots (occupying PCIE X4 resources)
Matched Motherboard		NET-1838VD2N series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		Optional single ATX power supply and redundant ATX power supply
Overall Dimensions (excluding mounting ears)		440mm(W) × 88mm(H) × 550mm(D)
Supported Operating Systems		Ubuntu 16.04 and above, CentOS 7.x and above, Kylin, UOS and other Hygon Linux operating systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-204631	NPC-8208B-HG03/3250YH/8G/1T /8ENS/350W redundant power supply	Hygon Platform HG3250 eight-core 16-thread 2.8GHz/1*8GB DDR4/1*1TB 3.5"HDD/onboard 2*Gigabit electrical ports/8*ENS slot/1*VGA port/1*350W redundant power supply/2U network rack mount system
0010-200361	NPC-8208B-HG04/3330/8G/1T /4ENS/350W redundant power supply	Hygon Platform HG3330 quad-core 8-thread 3.0GHz/1*8GB DDR4/1*1TB 3.5"HDD/onboard 2*Gigabit electrical ports/4*ENS slot/1*VGA port/1*350W redundant power supply/2U network rack mount system
0010-200371	NPC-8208B-HG05/3350/8G/1T /4ENS/350W redundant power supply	Hygon Platform HG3350 eight-core 16-thread 3.0GHz/1*8GB/1*1TB 3.5"HDD/onboard 2*Gigabit electrical ports/4*ENS slot/1*VGA port/1*350W redundant power supply/2U network rack mount system

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

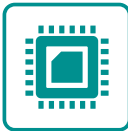
NPC-5217-HG

Network Application Platform

NPC-5217B-HG is a standard 2U rack mount network security application product developed based on Hygon 7 series 2nd and 3rd Gen processors (compatible with 5 series 2nd/3rd Gen) and supports Kylin, CentOS 7.x, ubuntu and other Linux systems. The product is applied to communication, enterprise, finance, education, medical treatment and other fields. The network performance of NPC-5217B-HG can be comparable to that of the Xeon GOLD 6152 CPU. It can replace most application scenarios of the non-domestic Purley platform and is positioned as a domestic high-end platform. It can be widely used in the new-generation high-end application delivery and can be widely applied to firewalls, behavior management and audit, VPN, vulnerability scanning, gatekeeper and other information security protection.



Product Features



Domestic chip



Multiple memory slots



Multiple hard disk bays



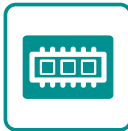
Abundant LAN ports



Mainstream domestic OS

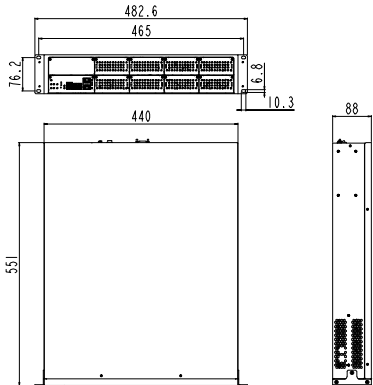


Support rapid customization



Optional IPMI function

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	2# and 3# processors of Hygon Series 5/7 optional
	Chipset	/
	Memory	Provides 8 × DDR4 memory slot, and the total memory capacity of the complete PC can reach 512G
Storage Port	SATA	4 × SATA3.0 interface, and standard configuration of 1 × hard disk bay (3 × free SATA3.0 interface)
	MSATA	1 × MSATA, 1 × M.2 2280 KEY B
I/O Port	USB	2 × USB3.0 port, 2 USB3.0 pins (built-in)
	COM	1 × Console port, 3 × serial Wafer socket (built-in, RS-232 mode)
Display Port		1 ×VGA port (optional), optional module: 1090-015801 EF-BMC-002-HG
Network Card Chip		WX1860
Network port		Onboard 2 × Gigabit LAN port, one of which can be configured as an IPMI port
TPM Port		Supports trusted computing of TPM and TCM modules (optional)
Expansion Bus	PCIE	Hygon 5 Series processor: onboard 2 × standard PCIE X8 slot; Hygon 7 Series processor: onboard 1 × standard X8 and 1 × standard X16 slot
	ENS	8 × ENS network card expansion slot (4 optional)
Matched Motherboard		NET-1513VD2N series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		550W ATX redundant power supply (supporting single or DC power supply)
Overall Dimensions (excluding mounting ears)		440mm(W) × 88mm(H) × 550mm(D)
Supports the operating system		Ubuntu 18.04 and above, Linux system with CentOS 7.x or above, Kylin X86, UOS, NFS-China, Kylinsec and other Hygon version systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-193621	NPC-5217B-HG-01	NPC-5217BHG-01 standard 2U rack-mounted complete PC/Hygon platform/1*HG-7380/1*16G REG-DDR4/1*2T HDD/onboard 2*Gigabit electrical ports/8*ENS slot/2*standard PCIE slot/1*VGA port/1*Console port/2*USB port/1*550W redundant power supply
0010-194191	NPC-5217B-HG-02	NPC-5217BHG-02 standard 2U rack-mounted complete PC/Hygon platform/1*HG-7375/1*16G DDR4/1*2T HDD/onboard 2*Gigabit electrical ports/4*ENS slot/2*standard PCIE slot/1*VGA port/1*Console port/2*USB port/1*550W redundant power supply/with LCD screen
0010-194201	NPC-5217B-HG-03	NPC-5217BHG-03 standard 2U rack-mounted complete PC/Hygon platform/1*HG-5380/1*16G DDR4/1*2T HDD/6*Gigabit electrical ports+4*Gigabit optical ports/3*ENS slot/2*standard PCIE slot/1*VGA port/1*Console port/2*USB port/1*550W redundant power supply
0020-067701	NPC-5217B-HG-04	NPC-5217BHG-04 standard 2U rack mount barebone system/Hygon platform/no processor/no memory/no hard disk/3*3.5-inch HDD bays/onboard 2*Gigabit electrical ports/4*ENS slot/2*standard PCIE slots/1*VGA port/1*Console port/2*USB ports/1*550W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

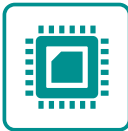
N15-FT

Network Application Platform

N15-FT is a standard 1U rack mount network security application product developed based on the autonomous and controllable Phytium FT-2000/quad-core processor, equipped with 2 × DDR4 memory slot, which can adapt to domestic operating systems such as Kylin. The product is applied to communications, enterprises, finance, education, medical treatment and other industries. N15-FT is widely used in the new-generation high-end application delivery and can be widely applied to information security protection such as firewalls, behavior management and audit, VPN, vulnerability scanning, and gatekeepers.



Product Features



Domestic platform



Multiple memory slots



Multiple hard disk bays



Abundant LAN ports

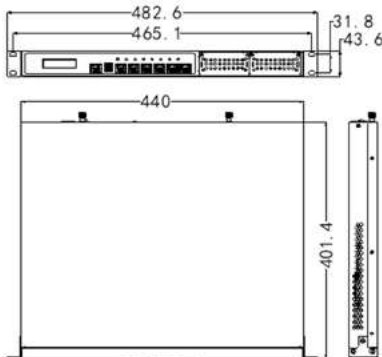


Mainstream domestic OS



Support rapid customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports domestic Phytium FT-2000/4-core processor, with a wide temperature range optional
	Chipset	/
	Memory	Provides 2 × DDR4 memory slot, and the total memory capacity of the complete PC can reach 32G
Storage Port	SATA	4 × SATA3.0 interface, and standard configuration of 1 × hard disk bay (3 × free SATA3.0 interface)
	MSATA	1 × MSATA slot
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB3.0 pin (built-in)
	COM	1 × Console port, 1 × serial Wafer socket (built-in, RS-232 mode)
Display Port		1x VGA port
Network card chip		Intel I210
Network port		Onboard 6 × Gigabit LAN port
GPIO		Supports 8-channel GPIO port
Expansion Bus	PCIE	1 × PCIE X8 (X8 signal)
	ENS	2 × ENS network card expansion slot
Matched Motherboard		COM-1502-FT series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		180W ATX single power supply (optional redundant power supply)
Overall Dimensions (excluding mounting ears)		440mm(W)×44mm(H)×401mm (D)
Supported Operating Systems		Supports Kylin and other domestic Phytium operating systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-150441	N15-FT-01/ FT2000/3BP/8G/64G MSATA/180W single power supply	Standard 1U rack-mounted complete PC/Phytium platform/1*FT-2000/1*8G memory/1*64G MSATA/ onboard 6*Gigabit electrical ports/3BP/2*ENS network card expansion slots/1*standard PCIE slot/1*VGA interface/1*Console port/2*USB ports/1*180W single power supply
0010-145531	N15-FT/FT-2000 2.6GHz/8G DDR4/64G MSATA/180W single power supply	Standard 1U rack-mounted complete PC/Phytium platform/1*FT-2000/1*8G memory/1*64G MSATA/ onboard 6*Gigabit electrical ports/2*ENS network card expansion slots/1*standard PCIE slot/1*VGA interface/1*Console port/2*USB ports/1*180 single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

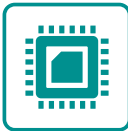
NPC-5201-FT

Network Application Platform

NPC-5201-FT is a standard 2U rack mount network security application product developed based on a Phytium D2000 processor, supporting the domestic Linux operating system with kernel versions such as Kylinsec. The product is used in communication, enterprise, finance, education, medical treatment and other industries. NPC-5201-FT is widely used in the new-generation high-end application delivery and can be widely applied to information security protection such as firewalls, behavior management and audit, VPN, vulnerability scanning, and gatekeepers.



Product Features



Domestic platform



Multiple memory slots



Multiple hard disk bays



Abundant LAN ports

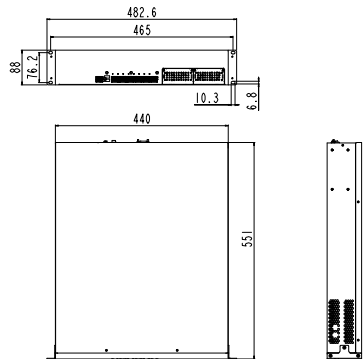


Mainstream domestic OS



Support rapid customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Supports domestic Phytium D2000 processor, with optional wide temperature range
	Chipset	/
	Memory	Provides 2 x DDR4 memory slot, and the total memory capacity of the complete PC can reach 32G
Storage Port	SATA	4 × SATA3.0 interface, and standard configuration of 1 × hard disk bay (3 × free SATA3.0 interface)
	MSATA	1 x MSATA slot
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB3.0 pin (built-in)
	COM	1 × Console port, 1 × serial Wafer socket (built-in, RS-232 mode)
Display Port		1x VGA port
Network card chip		Intel I210
Network port		Onboard 6 x Gigabit LAN port
GPIO		Supports 8-channel GPIO port
Expansion Bus	PCIE	Onboard 1 x PCIE X8 standard slot (X8 signal)
	ENS	2 x ENS network card expansion slot
Matched Motherboard		COM-1505-FT series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W ATX single power supply (optional redundant power supply)
Overall Dimensions (excluding mounting ears)		440mm(W)×88mm(H)×550mm (D)
Supported operating systems		Kylin X86, UOS and other domestic Phytium systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-194861	NPC-5201-FT-01/D2000/8G memory /1T HDD/2USB/250W single power supply	Standard 2U rack-mounted complete PC/Phytium platform/1*D2000/1*8G memory/1*1T HDD/onboard 6*Gigabit electrical port/2*ENS network card expansion slots/1*standard PCIE X8 slot/1*VGA port/1*Console port/2*USB ports/1*250W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

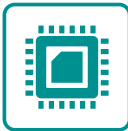
NPC-5118-FT

Network Application Platform

NPC-5118-FT is a standard 1U rack mount network security application product developed based on a Phytium D2000 processor, supporting domestic Linux systems such as Kylin. The product is mainly used in communication, enterprise, finance, education, medical treatment and other fields. NPC-5118-FT can replace the application scenarios of most non-domestic H110, C236 and other platforms and is positioned as a domestic middle-end platform to help enterprises with domestic replacement and upgrading and consolidate enterprise information and asset security. It can be widely used in the new-generation high-end application delivery and can be widely applied to information security protection such as firewalls, behavior management and audit, VPN, vulnerability scanning, and gatekeepers.



Product Features



Domestic platform



Multiple memory slots



Multiple hard disk bays



Abundant LAN ports

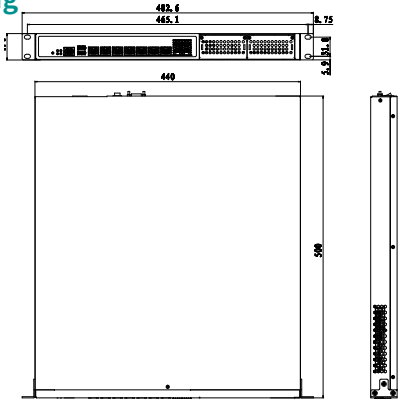


Mainstream domestic OS



Support rapid customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Phytium D2000/8C, with a dominant frequency of 2.3GHz
	Chipset	SOC
	Memory	Dual-channel, 2*DDR4 memory slots, supporting UDIMM; the single slot supports 32G
Storage Port	SATA	2 × SATA 3.0 interface, and standard configuration of 1 × hard disk bay (1 × free SATA3.0 interface)
	MSATA	1 × MSATA slot (multiplexed with SATA1 resources), 1 × M.2 KEY M
I/O Port	USB	2 × USB3.0 port (at front), 2 × USB3.0 pin (built-in)
	COM	1 × Console port, 2 × serial Wafer socket (built-in, RS-232 mode)
Display Port		1x VGA port
Network card chip		Muchuang N400L
Network port		Onboard 7 x Gigabit LAN port + 4 x Gigabit optical port, of which 1 x electrical port is a special management port
TPM Port		Supports trusted computing of TPM and TCM modules (separate adaptation is required)
Expansion Bus	PCIE	Onboard 2 × standard PCI_E X8 slot and 1 × Mini_PcIe slot (built-in, X1 signal)
	ENS	2 x ENS network card expansion slot
Matched Motherboard		NET-1601A11N1B Series
Working Environment		Working temperature: 0°C -40°C
Storage Environment		Storage temperature: -20°C ~ 70°C; storage humidity: 10% ~ 90% (non-condensing state)
Power supply		250W ATX redundant power supply (optional)
Overall Dimensions (excluding mounting ears)		4440mm (W) × 43.8mm (H) × 500mm (D)
Supported operating systems		Kylin X86, Unity and other Phytium systems. Please refer to the product manual for details

Ordering Information

Part No.	Model	Description
0010-199941	NPC-5118-FT01/16G/2T/1BP/250W single power supply	1U network rack-mounted complete PC/X100 chipset/D2000 2.3Ghz/1*16G memory/1*2T HDD/7*Gigabit electrical ports +4*Gigabit optical ports/1 group of bypass/2 × USB3.0/2*PCIE slots/2*ENS extension slots/1*VGA interface/1*Console port/2*USB ports/250W single power supply
0010-199951	NPC-5118-FT02/16G/2T/2BP/300W redundant power supply	1U network rack-mounted complete PC/X100 chipset/D2000 2.3Ghz/1*16G memory/1*2T HDD /7*Gigabit electrical ports +4*Gigabit optical ports/2 groups of bypass/2 × USB3.0/2*PCIE slots/2*ENS extension slots/1*VGA interface/1*Console port/2*USB ports/1*300W redundant power supply 0010-199961
0010-199961	03/16G/2T/3BP/300W redundant power supply	1U network rack-mounted complete PC/X100 chipset/D2000 2.3Ghz/1*16G memory/1*2T HDD /7*Gigabit electrical ports +4*Gigabit optical ports/3 groups of bypass/2 × USB3.0/2*PCIE slots/2*ENS expansion slots/1*VGA port/1*Console port/2*USB ports/300W redundant power supply
0020-068081	NPC-5118-FT-04/D2000/2BP/2 expansion slots/250W single power supply barebone system	1U network rack mount barebone system/X100 chipset/D2000 2.3Ghz/no memory/no hard disk/7*Gigabit electrical ports +4*Gigabit optical ports/2 groups of bypass/2*PCIE slots/2*ENS expansion slots/1*VGA port/1*Console/2*USB ports/1*250W single power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

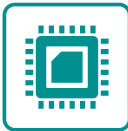
EIS-2208-FT

2U Standard 19-inch Rack-mounted Server

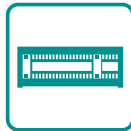
The independent controllable EIS-2208FT/64 rack-mounted server of EVOC is designed and developed based on the domestic Phytium 64-core processor FT-2000+. It adopts domestic independent firmware and domestic independent Linux operating system EIS-2208FT/64 as the domestic independent information processing and control platform. It has unique security and is suitable for the needs of big data, cloud computing informatization, security monitoring industry, industrial automation, detection industry, IT communication industry and other markets.



Product Features



Powerful performance



Flexible expansion



Ultra-large capacity

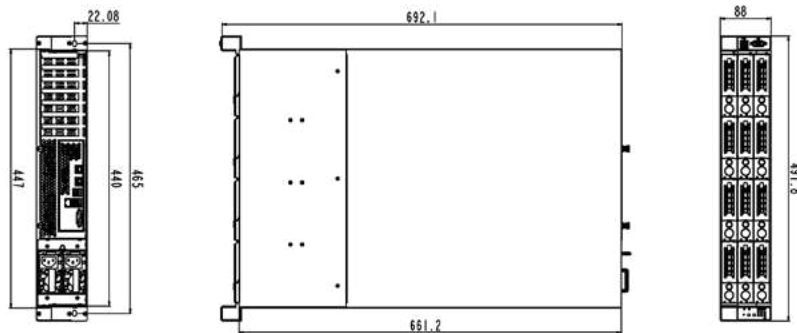


Safe & Reliable



Energy conservation and environmental protection

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Product Model	EIS-2208-FT
Processor	Domestic FT-2000+ 64 processor (64-core, 2.2GHz)
Memory	Supports 8 × RDIMM DDR4 slot, working rate above 2400Mbps, supports ECC
Expansion	Supports 6 × PCIe expansions. For reference: 1-channel PCIe x 16 × expansion slot, 4 × PCIe3.0 x8 slot (signal x8), 1 × PCIe3.0 x8 slot (signal x4), 1 × M.2 and 1 × Mini PCIe
Storage	Onboard 8 × SAS/SATA 3.0
RAID	Supports RAID 0, 1, 10, 5, 6, 50 and 60 (noted for non-onboard raid)
LAN	Onboard 4 × 10/100/1000Base-T Gigabit Ethernet port (RJ45) Onboard 1 × 10/100/1000Base-T Gigabit Ethernet port (RJ45, dedicated for BMC)
USB	Supports 6 × USB 2.0/3.0 port
Display Output	Supports 1-channel VGA port and 1-channel debugging COM port
IPMI	Expandable BMC management function, supporting IPMI2.0
Operating System	Adaptive to Kylin, Unity UOS, etc.
Environment	Working environment temperature: 0~40°C Storage environment temperature: -40~85°C
Dimension	Standard E-ATX form, adaptable to standard 1/2U box body

Ordering Information

Part No.	Model	Description
0010-146731	EIS-2208-FT	EIS-2208FT-03/EIS-2208FT domestic 2U rack-mounted server/SVE-2903FT/FT2000+64Core 2.2GHz/2 * 16GDDR4 / 3 * 4TB/3.5" enterprise hard disk 1*128GSSD/1*LSI9361-8I/6*PCIE/4*GbE/1*debugging COM/6*USB/1*VGA/550W redundant power supply
0020-065081	EIS-2208-FT/ powerless barebone system	EIS-2208FT domestic 2U rack-mounted server/SVE-2903FT/FT2000+64Core 2.2GHz/8 * GDDR4 / 8 * /3.5" enterprise hard disk/6*PCIE/4*GbE/1* debugging COM/6*USB/1*VGA/powerless barebone system

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EIS-2210-FT

19" 2U Rack-mounted Industrial Server

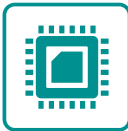
EIS-2210-FT is a 2U rack-mounted server independently developed based on the domestic Phytium S5000C/64-core processor. It provides strong computing performance and expansion capability at the enterprise level and is suitable for processing needs with high information security requirements. It is mainly used in Internet big data, cloud computing, distributed storage and other industries. EIS-2210-FT Phytium 2U rack-mounted server is developed and designed with Phytium S5000C/64-core dual-channel processor. The BMC module supports the health status monitoring of key components, KVM Over IP, remote media and other management features, and adapts to operating systems such as Kylin.



Product Features



Localization, independence and controllability



High-performance processor



Multi-storage expansion



Safe & Reliable

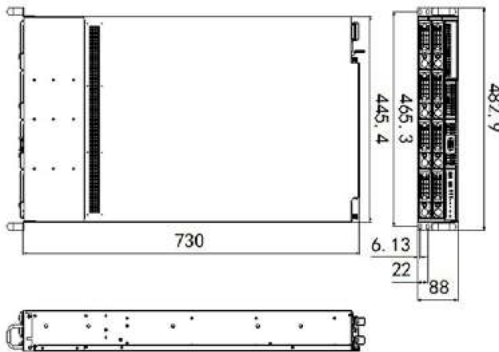


Intelligent heat dissipation



Multiple IO ports

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Phytium S5000C/64-core dual-channel processor, with a dominant frequency of 2.1 GHz. It is the highest-performing ARM processor in China and has a strong performance
	Core Architecture	Adopt brand-new FTC862 core architecture
	Memory	Supports 10 × DDR5 memory slot, supports RDIMM, speed up to 4000MHz. The single slot supports up to 128G
Storage		Supports 8 × hotswap at front, 2.5/3.5-inch SATA/SAS hard disk, 2 × built-in m.2 2242/2280 Nvme hard disk on the motherboard
RAID Support		Support 8 × onboard SATA 3.0 interface, support configurations such as RAID 0, 1, 5, 6 and 10 modes (with no onboard raid, and add-in-card application)
I/O Port		Front: 2 × USB 3.0 Rear: 4 × Gigabit LAN port, 2 × 10 Gigabit optical port, 1 × management LAN port, 1 × DB9 debugging serial port, 4 × USB3.0 port and 1 × VGA display port
PCIe Expansion		The PCIe bandwidth performance is doubled, greatly improving the I/O throughput capacity of the system. It supports 5 × PCIe expansion slot, including 2-channel PCIe X16 slot (5.0 signal) and 3-channel PCIe X8 slot (at least 2-channel 5.0 signals)
Management		Supports domestic BMC management module (including hardware and firmware), supports IPMI, SOL, KVM Over IP, virtualization
Operating temperature		Working temperature: 0°C -40°C
Storage Environment		Temperature: -40°C~+55°C Relative humidity: 5%~90% (non-condensing state)
Power supply		Supports 1+1 redundant hot-swap power supply, and is equipped with domestic 1200W/1600W redundant power supply
Operating system		Supports domestic Kylin V10 server operating system
Dimensions		482.9(W)×88mm(H)×730mm(D)

Ordering Information

Part No.	Model	Description
0010-194961	EIS-2210-FT-01 complete PC	2U domestic 8-bay rack-mounted server EIS-2210-FT /CYB-2501-FT/ 2*FT-S5000C 64Core 2.1GHz/2*32GB/DDR5/ 1 *128GB and 3*1TB domestic SSD/supporting RAID 0, 1, 5, 6 and 10 modes/4 × Gigabit LAN port, 2 × 10 Gigabit optical port and 1 × management LAN port/1 × DB9 debugging serial port/2 × USB 3.0 port at front and 4 × USB3.0 port at rear/1 × VGA/1600W redundant power supply
0010-194971	EIS-2210-FT-02 complete PC	2U domestic 8-bay rack-mounted server EIS-2210-FT -01/CYB-2501-FT/ 2*FT-S5000C 64Core 2.1GHz/8*32GB/DDR5 / 1 *1TB SSD and 3*2TB HDD/supporting RAID 0, 1, 5, 6 and 10 modes, with power-off protection function/4 × Gigabit LAN port, 2 × 10 Gigabit optical port and 1 × management LAN port/1 × DB9 debugging serial port/2 × USB 3.0 port at front and 4 × USB 3.0 port at rear/1 x VGA/1600W redundant power supply
0020-067741	EIS-2210-FT barebone system	2U domestic 8-bay rack-mounted server EIS-2210-FT /CYB-2501-FT/ 2*FT-S5000C 64Core 2.1GHz/supporting 10 × DDR5 memory slot/supporting 8 × 2.5/3.5-inch pull-out hard disk bay/supporting RAID 0, 1, 5, 6 and 10 modes/4 × Gigabit LAN port, 2 × 10 Gigabit optical port and 1 × management LAN port/1 × DB9 debugging serial port/2 × USB 3.0 port at front and 4 × USB 3.0 port at rear/1 VGA/1600W redundant power supply
0020-067751	EIS-2210-FT-01/ with hard disk power supply/barebone system	2U domestic 8-bay rack-mounted server EIS-2210-FT/CYB-2501-FT/ 2*FT-S5000C 64Core 2.1GHz/ 1 *128G SSD and 3*1TB domestic SSD/supporting RAID 0, 1, 5, 6 and 10 modes/4 × Gigabit LAN port, 2 × 10 Gigabit optical port and 1 × management LAN port/1 × DB9 debugging serial port/2 × USB 3.0 port at front and 4 × USB3.0 port at rear/ 1 × VGA/1600W redundant power supply

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

EXCELLENT PERFORMANCE STRONG PROTECTION

EVOC NPC-8230

High-performance Network
Application Platform



Support
dual-channel
processor



Hard disk
encryption



20 x memory
slot

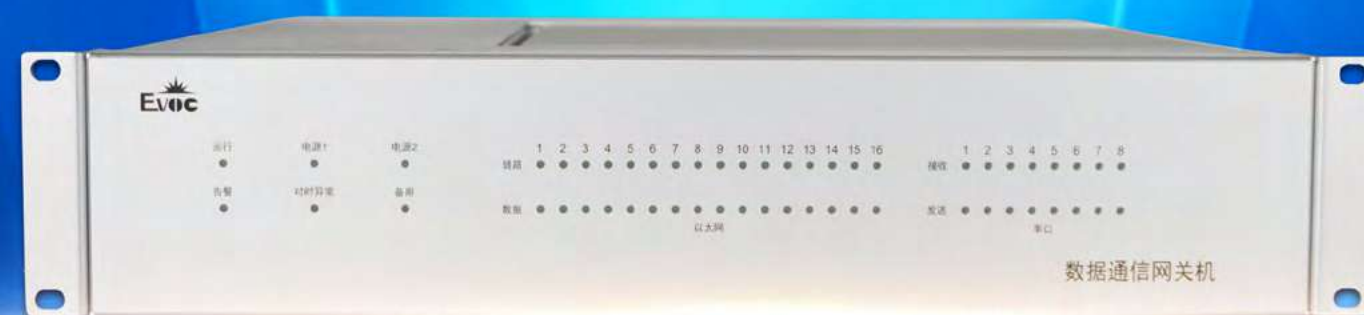


Abundant
LAN ports



Abundant
serial ports

SAFETY PROTECTION STABLE OPERATION CONVENIENT OPERATION RELIABLE PERFORMANCE



Multi-LAN Port Industry-specific Computer

SPC-8271 Series

**Reliable
Performance**

Comply with the international
standard, IEC-61850, and
requirements of National
Electric Power Level 4

Metal Design

Adopt sheet metal structure,
with excellent dust
prevention, heat dissipation
and protection level.

**Flexible
Configuration**

Supports up to 24 x LAN port
and 8 x serial port.

**Diversified
Operation**

Supports Windows, Linux,
domestic Kylin and other
systems

SPC-8231-ZX 2U Standard Rack-mounted Multi-LAN Dedicated PC

SPC-8231-ZX is a 19" 2U standard rack-mounted Multi-LAN dedicated PC that meets IEC61850. The front panel and main body of the chassis are both of sheet metal structure. The complete PC is designed with multi-LAN ports and has excellent sealing, dust-proof, heat dissipation and EMC performance. It can be used in harsh environments with heavy pollution, dust and serious electromagnetic interference. It can be widely used in remote terminal management of substations, smart grid dispatch communication management, power supervisory control and data acquisition (PSCADA) system, subway comprehensive monitoring front-end processor (FEP) and other scenarios.



Product Features



Comply with IEC-61850 international standard



EMC performance conforming to National Electric Power Level 4

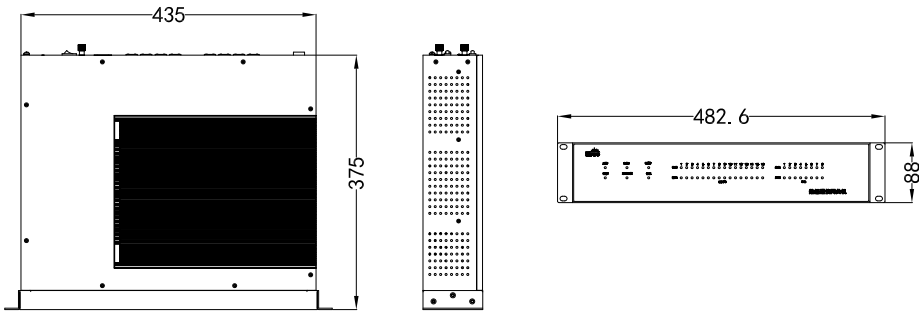


16 × LAN port (optional)



Redundant power supply

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Main Functional Indicators	Processor	Based on Zhaoxin C-Quadcore C4580 processor
	Memory	Provides 2 × 204Pin DDR3L SO-DIMM memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	LAN	Provides 16 × Gigabit LAN port, including 8 × onboard port and 8 × additional port through an expansion card
	Storage	2 × 2.5-inch hard disk bay
	Other external IO ports	1 × VGA display port 4 × USB2.0 port 1 × B code time tick port in Phoenix terminal form 8 × serial port, RS232/485 configurable, with isolation, and using Phoenix terminal interface form 1 × device fault interface in Phoenix terminal interface form
	Expansion Bus	1 × built-in standard PCIE X1 expansion slot
	Power supply	Each power module provides 1 × 7Pin Phoenix terminal power input port
Main Performance Indicators	Dimensions (Excluding Mounting Ears)	435mm (W) *88mm (H) *375mm (D)
	Net Weight	About 12.2Kg (excluding the weight of the package and accessories)
	Color	Silver white
	Temperature	Working temperature: HDD: -5°C~+45°C; SSD: -15°C~+55°C Storage temperature: -40°C~+70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Reliability	MTBF≥30000h MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
	Mechanical Environment Adaptability	抗Anti-vibration: capable of withstanding the vibration response test of severity level I (should be capable of withstanding the vibration with amplitude of 0.3 mm when frequency f ≤ 10 Hz, and at the acceleration of 1 m/sp when f > 10 ~ 150 Hz). Anti-shock: able to withstand the shock test at severity level
	Electromagnetic Compatibility	Complies with international standard IEC 61850"Substation Communication Network and System" Complies with national standard GB/T 15153-1"Telecontrol Equipment and Systems" Radiated disturbance: GB 9254-2008 class A Conducted disturbance: GB 9254-2008 class A; GB/T 17626.2-2006 Electrostatic Discharge Class (IV); GB/T 17626.4-2006 Burst Immunity Class (IV); GB/T 17626.5-2008 Surge (Shock) Immunity Class (IV); GB/T 17626.6-2008 Conducted Immunity Class (III); GB/T 17626.12-1998 Oscillatory Wave Immunity Test Class (III); GB/T 17626.3-2006 Radiated, Radio-frequency, Electromagnetic Field Immunity Class (III); GB/T 17626.9-1998 Pulse Magnetic Field Immunity Class (V); GB/T 17626.10-1998 Damped Oscillatory Magnetic Field Immunity Class (V); GB/T17626.8-2006 Power Frequency Magnetic Field Immunity Class (V); GB/T 17626.11-2008 Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests (capable of withstanding 100% specified voltage dips for 10 ms)
	Power Supply Characteristics	Input: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)
	Operating system	Supports high kernel version Linux systems such as Kylinsec and CentOS 7.x

Ordering Information

Part No.	Model	Description
0010-137471	SPC-8231-ZX	2U, 19" rack mount sealed multi-COM server/ Zhaoxin C4580 1.83GHz /4G memory /256G SSD/16 × Gigabit LAN port/8 × isolated serial port/4 × USB2.0 port at rear/1 × VGA/AC, DC110V~220V input 150W dual power supply/ power loss alarm/neutral
0010-137601	SPC-8231-ZX-01	2U, 19" rack mount special complete PC for power industry/ Zhaoxin C4580 1.83GHz /4G memory /256G SSD/16 × Gigabit LAN port/8 × isolated serial port/4 × USB2.0 port at rear/1 × VGA/AC, DC110V~220V input 150W dual power supply/power loss alarm/for state grid

Optional Accessories

Part No.	Model	Description
1070-002561	EF-8LAN-001SPC	8 × 1000Mbps RJ45 LAN port
1070-002571	EF-COM-035SPC	8 × RS232/485 serial port

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

SPC-8271B

2U Standard Rack-mounted Multi-LAN Dedicated PC

SPC-8271B is a 19" 2U standard rack-mounted Multi-LAN dedicated PC that meets IEC61850. The complete PC is of sheet metal structure, with excellent dust prevention, heat dissipation and good EMC performance, and its EMC performance meets the requirements of National Electric Power Level 4. Supports Windows, Linux, domestic Kylin and other operating systems. It can be widely used in remote terminal management of substations, smart grid dispatch communication manager, power supervisory control and data acquisition (PSCADA) system, subway comprehensive monitoring front-end processor (FEP) and other scenarios.



Product Features



Comply with IEC-61850 international standard



EMC performance conforming to National Electric Power Level 4

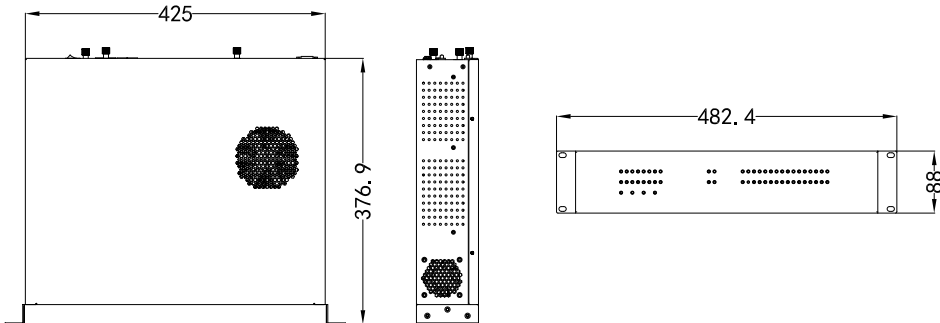


24 × LAN port (optional)



Redundant power supply

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Main Functional Indicators	Processor	Onboard Xeon E3-1225V5 processor
	Chipset	C236
	Memory	Provides 2 × DDR4 memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	Storage	1 × 2.5-inch hard disk bay, 1 × 3.5-inch hard disk bay and 1 × CF card slot
	LAN	Supports up to 24 × LAN port (onboard 8 × electrical port, others can be expanded through the network module, optical port and electrical port are optional)
	Serial port	1 × RS485 serial port in standard DB9 form, 1 × RS232 CONSOLE port in RJ45 form
	Built-in IO	Built-in VGA and USB debugging ports, providing 1 × PCIE X8 expansion slot
	Power supply	Each power module provides 1 × 7Pin Phoenix terminal power input port, including the hard node output port of the mains alarm model
Main Performance Indicators	Dimensions (Excluding Mounting Ears)	425mm (W) *88mm (H) *376.9mm (D)
	Net Weight	About 11.8Kg (excluding the weight of the package and accessories)
	Color	Black
	Temperature	Working temperature: -5°C ~ +45°C Storage temperature: -25°C ~ +70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Reliability	MTBF≥50000h MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
	Mechanical Environment Adaptability	Anti-vibration: capable of withstanding the vibration response test of severity level I (should be capable of withstanding the vibration with amplitude of 0.3 mm when frequency f ≤ 10 Hz, and at the acceleration of 1 m/sp when f > 10 ~ 150 Hz). Anti-shock: able to withstand the shock test at severity level I
	Electromagnetic Compatibility	Complies with international standard IEC 61850"Substation Communication Network and System" Complies with national standard GB/T 15153-1"Telecontrol Equipment and Systems" Radiated disturbance: GB 9254-2008 class A Conducted disturbance: GB 9254-2008 class A GB/T 17626.2-2018 Electrostatic discharge class (IV) GB/T 17626.4-2018 Burst immunity class (IV) GB/T 17626.5-2019 Surge (shock) immunity class (IV) GB/T 17626.6-2008 Conducted immunity class (III) GB/T 17626.12-1998 Oscillatory waves immunity test class (III) GB/T 17626.3-2017 Radio frequency electromagnetic field radiation immunity class (III) GB/T 17626.9-2011 Pulse magnetic field immunity class (V) GB/T 17626.18-2017 Damped oscillatory magnetic field immunity class (V) GB/T 17626.8-2006 Power frequency magnetic field immunity class (V) GB/T 17626.11-2008 Voltage dips, short interruptions and voltage variations test (Capable of withstanding specified voltage dips 100%, duration 10ms)
	Power Supply Characteristics	Input: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)
	Operating system	Supports Windows 7, Windows 10, Kylinsec, Cent OS and other high kernel version Linux systems.

Ordering Information

Part No.	Model	Description
0010-118041	SPC-8271B	2U, 19" rack-mounted industrial computer for power industry/Intel E3-1225V5 3.3GHz /16G memory/256GB 2.5-inch MLC SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC and DC110V~220V input 150W dual power supply/horizontal installation of power supply/power loss alarm
0010-130511	SPC-8271B-02	2U, 19" rack-mounted industrial computer for power industry/Intel E3-1225V5 3.3GHz /16G memory/256GB 2.5-inch MLC SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC & DC110V~220V input 150W dual power supply/vertical installation of power supply/power loss alarm

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

SPC-8271C

2U Standard Rack-mounted Multi-LAN Dedicated PC

SPC-8271C is a 19" 2U standard rack-mounted Multi-LAN dedicated PC that meets IEC61850. The complete PC is of sheet metal structure, with excellent dust prevention, heat dissipation and good EMC performance, and its EMC performance meets the requirements of National Electric Power Level 4. Supports Windows, Linux, domestic Kylin and other operating systems. It can be widely used in the network security situational awareness device of the power monitoring system and deployed in the power monitoring systems of all levels of dispatching centers and power plants/substations to collect, analyze and process the network security data of the master station or plant station power monitoring system and communicate with the master station system.



Product Features



Conform to IEC-61850 international standard



EMC performance conforming to National Electric Power Level 4

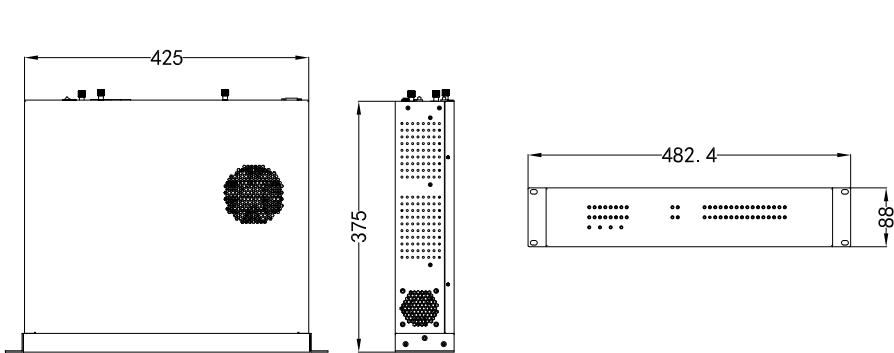


Domestic Hygon platform



Multi-LAN port and multi-serial port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Main Functional Indicators	Processor	Hygon HG3250, HG3330 and HG3350 are packaged as BGA1515 processor (optional)
	Memory	Provides 2 × DDR4 memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	Storage	1 × 2.5-inch hard disk bay, 1 × 3.5-inch hard disk bay and 1 × CF card slot
	LAN	Supports up to 24 × LAN port (onboard 8 × electrical ports, others can be expanded through the network module, optical port and electrical port are optional)
	Serial port	1 × RS485 serial port in standard DB9 form, 1 × RS232 CONSOLE port in RJ45 form
	Expansion Bus	Provides 2 × ENS network module expansion slot
	Power supply	Each power module provides 1 × 7Pin Phoenix terminal power input port
Main Performance Indicators	Dimensions (Excluding Mounting Ears)	425mm (W) *88mm (H) *375mm (D)
	Net Weight	About 11.8Kg (excluding the weight of the package and accessories)
	Color	Black
	Temperature	Working temperature: -5°C~+45°C Storage temperature: -25°C ~ +70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Reliability	MTBF≥50000h MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
	Mechanical Environment Adaptability	Anti-vibration: capable of withstanding the vibration response test of severity level I (should be capable of withstanding the vibration with amplitude of 0.3 mm when frequency f ≤ 10 Hz, and at the acceleration of 1 m/sp when f > 10 ~ 150 Hz). Anti-shock: able to withstand the shock test at severity level
	Electromagnetic Compatibility	Complies with international standard IEC 61850"Substation Communication Network and System" Complies with national standard GB/T 15153-1"Telecontrol Equipment and Systems" Radiated disturbance: GB 9254-2008 class A Conducted disturbance: GB 9254-2008 class A GB/T 17626.2.2018 Electrostatic discharge class (IV) GB/T 17626.4-2018 Burst immunity class (IV) GB/T 17626.5-2019 Surge (shock) immunity class (IV) GB/T 17626.6-2008 Conducted immunity class (III) GB/T 17626.12-1998 Oscillatory waves immunity test class (III) GB/T 17626.3-2017 Radio frequency electromagnetic field radiation immunity class (III) GB/T 17626.9-2011 Pulse magnetic field immunity class (V) GB/T 17626.18-2017 Damped oscillatory magnetic field immunity class (V) GB/T 17626.8-2006 Power frequency magnetic field immunity class (V) GB/T 17626.11-2008 Voltage dips, short interruptions and voltage variations test (Capable of withstanding specified voltage dips 100%, duration 10ms)
	Power Supply Characteristics	Input: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)
	Operating system	Supports high kernel version Linux systems such as Kylinsec and Cent OS

Ordering Information

Part No.	Model	Description
0010-200401	SPC-8271C-08	2U 19" rack-mounted industrial computer for power industry/Hygon 3350 3.0GHz eight-core processor/16G memory/256GB 2.5-inch SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC, DC110V~220V input 150W dual-power-supply/ power loss alarm
0010-200411	SPC-8271C-09	2U, 19" rack-mounted industrial computer for power industry/Hygon 3330 3.0GHz quad-core processor/16G memory/256GB 2.5-inch SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC, DC110V~220V input 150W dual power supply/ power loss alarm
0010-200421	SPC-8271C-10	2U 19" rack-mounted industrial computer for power industry/Hygon 3250 2.8GHz eight-core processor/16G memory/256GB 2.5-inch SSD/2T 3.5-inch enterprise HDD/24 × Gigabit LAN port (8 × optical port and 16 × electrical port/excluding SFP)/1 × Console port/1 × isolated serial port/AC, DC110V~220V input 150W dual-power-supply/ power loss alarm

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

SPC-8271D

2U Standard Rack-mounted Multi-LAN Dedicated PC

SPC-8271D is a 19" 2U standard rack-mounted Multi-LAN dedicated PC. It adopts COM board and carrier board architecture, and INTEL SkyLake-U Soc platform, wherein the carrier board is connected by means of high-speed connectors, and various functional modules are brought out via the carrier board. The PC has multiple expansion ports. The front panel and chassis of the complete PC are made of sheet metal structure. The PC has excellent heat dissipation, high EMC protection grade, and excellent anti-dust performance. It can be widely used in remote terminal management of substations, smart grid dispatch communication manager, power supervisory control and data acquisition (PSCADA) system, and subway comprehensive monitoring front-end processor (FEP), and fully meets the IEC 61850 international standard.



Product Features



Conform to IEC-61850 international standard



EMC performance conforming to National Electric Power Level 4

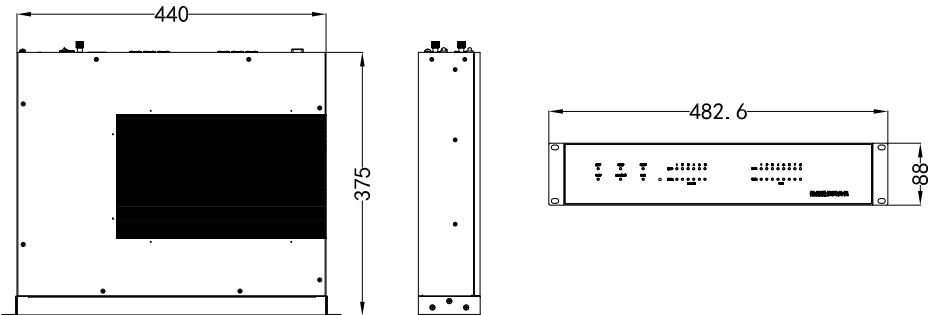


12 × LAN port and 8 × serial port



Supports multiple operating systems

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
Main Functional Indicators	Processor	Based on Intel 3955U 2.0GHz/I3-6100U 2.3GHz/I5-6300U 2.4GHz/I7-6600U 2.6GHz processor
	Chipset	SkyLake-U SOC
	Memory	Provides 2 × 260Pin DDR4 2133MHz So-DIMM memory slot, with a maximum capacity of 16GB for each memory and a maximum total memory capacity of 32GB
	VGA	1 × VGA display port
	B code	1 × B code time tick port
	USB	The complete PC provides 3 × USB2.0 port
	Network/Serial Port Function	Onboard fixed configuration: 6 × Gigabit RJ45 LAN port. Standard configuration of the complete PC: 1 × network module (6 × Gigabit RJ45 LAN port). Standard configuration of the complete PC: 1 × serial port module (8 × serial port, in the form of 2*10Pin Phoenix terminal interfaces). Note: Network modules and serial port modules can be configured freely
	Storage	2 × 2.5-inch hard disk bay
	Expansion Bus	2 × network module or serial port module expansion slot (non-standard X4) and 1 × standard PCIE X1 expansion slot
	External IO Port	1 × standard VGA display interface; 1 B code time tick port, adopting 1 × 2Pin pitch 5.08 mm Phoenix terminal; 12 × LAN port, including onboard 6 × LAN port, and 6 × LAN port brought out by means of modular cards (among them, network module and serial port module can be configured freely) 8 × serial port, RS-232/485 configurable, supporting at least 4-channel RS232 two-device parallel connection, adopting 2 × 10Pin Phoenix terminal port. (Among them, the serial port module and network module can be
Main Performance Indicators	Dimensions	440mm (W) × 88 mm (H) × 375mm (D) (excluding mounting ears)
	Net Weight	About 11.25Kg (excluding the weight of the package and accessories)
	Color	Equipment color: Silver white
	Temperature	Working temperature: HDD: -5°C ~ +45°C, SSD: -25°C ~ +55°C Storage temperature: -40°C ~ +70°C
	Humidity	Constant damp heat: 40°C, 95%RH (non-condensing)
	Electromagnetic Compatibility	Complies with international standard IEC 61850"Substation Communication Network and System" Complies with national standard GB/T 15153-1"Telecontrol Equipment and Systems" Radiated disturbance: GB 9254-2008 class A Conducted disturbance: GB 9254-2008 class A GB/T 17626.2-2018 Electrostatic discharge class (IV) GB/T 17626.4-2018 Burst immunity class (IV) GB/T 17626.5-2019 Surge (shock) immunity class (IV) GB/T 17626.6-2008 Conducted immunity class (III) GB/T 17626.12-1998 Oscillatory waves immunity test class (III) GB/T 17626.3-2017 Radio frequency electromagnetic field radiation immunity class (III) GB/T 17626.9-2011 Pulse magnetic field immunity class (V) GB/T 17626.18-2017 Damped oscillatory magnetic field immunity class (V) GB/T 17626.8-2006 Power frequency magnetic field immunity class (V) GB/T 17626.11-2008 Voltage dips, short interruptions and voltage variations test (Capable of withstanding specified voltage dips 100%, duration 10ms)
	Reliability	MTBF≥30000h; MTTR≤0.5h
	Safety	Meet the basic requirements of GB4943
Mechanical Environment Adaptability	Mechanical Environment Adaptability	Anti-vibration: capable of withstanding vibration response test of a severity level of Bm. (should be capable of withstanding vibration at 10m/s² acceleration when frequency f≤9Hz, amplitude is 3mm, and f>9~200Hz) and the vibration is exerted when the PC is powered off. Anti-shock: capable of withstanding shock test of a severity level of Bm, half-sine pulse duration: 11ms, peak-to-peak acceleration: 10g; the test is conducted when the PC is powered off.
	Power Supply Characteristics	nput: AC/50Hz, 110V~220V; DC: 110V~220V single power supply/redundant power supply (optional)

Ordering Information

Part No.	Model	Description
0010-145661	SPC-8271D	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL3955U2.0GHz/4G memory/128G SSD (non-wide-temperature)/12 × Gigabit LAN port/8 × isolated serial port/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO
0010-145671	SPC-8271D-01	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL13-6100U2.3GHz/4G memory/128G SSD (wide-temperature)/6 × Gigabit LAN ports/8 isolated serial ports/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO
0010-145681	SPC-8271D-02	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL5-6300U2.3Hz/4G memory/128G SSD (non-wide-temperature)/12 × Gigabit LAN port/8 × isolated serial port/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO
0010-203761	SPC-8271D-03	2U 19" rack-mounted multi-LAN port and multi-serial port complete PC/INTEL7-6600U 2.3Hz/16G memory/512G SSD (half-width temperature)/12 × Gigabit LAN port/8 × isolated serial port/3 × USB2.0 at rear/1 × VGA/1 × B code/2-channel DO relay output/AC, DC110V~220V input 150W dual-power-supply/power loss alarm/neutral LOGO

Optional Accessories

Part No.	Model	Description
1070-002871	EF-6LAN-001SPC	6 × self-adaptive RJ45 Gigabit LAN port module
1070-002881	EF-COM-037SPC	8 × RS232/485 serial port module, supporting at least 4-channel RS232 two-device parallel connection

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

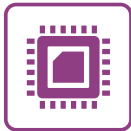
ERC-1004B

Special Controller for AFC System

ERC-1004B is a multi-serial port multi-display low-power fanless embedded complete PC, which is specially designed for the application of terminal equipment main control unit of metro AFC system. The complete PC has a compact structure, reasonable internal layout and rich I/O and expansion ports, and can be widely used in terminal equipment main control units of automatic gate machines (AGM), ticket vending machines (TVM) and booking office machines (BOM) of metro AFC system.



Product Features



Onboard J1900 quad-core processor



Onboard memory



Free combination to quickly meet different needs

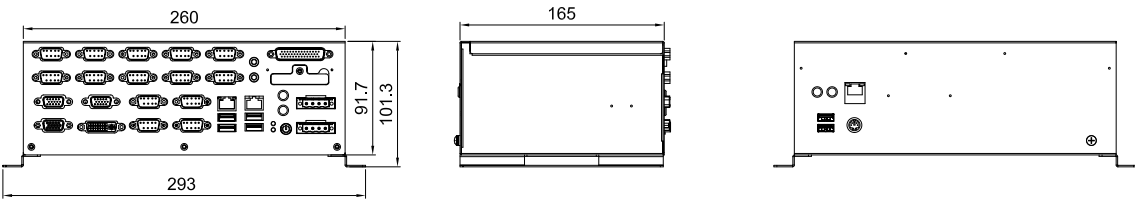


Support 512KB NVRAM non-volatile memory



Multiple display options

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Onboard Intel® Celeron J1900 CPU 2.0GHz
	Chipset	Intel® Baytrail-I SOC
	Memory	Onboard DDR3L memory, 2GB/4GB/8GB (optional)
Display	VGA	VGA1 (resolution 1920×1080), VGA2 (optional, resolution 1920×1080) and VGA3 (optional, resolution 1920×1080); cannot support 3VGA+LVDS simultaneously. Note: The number of display ports depends on the configuration of the complete PC, subject to the actual complete PC
	LVDS	1 × LVDS (optional), DB24+4 port, resolution: 1920×1080, supporting single channel
I/O port	Network port	2 × 10/100/1000Mbps RJ45 network port; LAN1 supports network wake-up
		1 × 10/100Mbps RJ45 LAN port (optional)
	Serial port	14 × RS232 serial port, including 4 × RS232/422/485 port
	USB	5 × USB2.0, 1 × USB3.0
	PS/2	1 × PS/2
	GPIO	32-channel GPIO port
	Audio	1 group of audio ports, supporting MIC-IN/LINE-OUT
	Antenna	2 × antenna holes
Storage		1 × CFast card slot, 1 × mSATA port, and 1 × 2.5-inch SSD bay (mSATA or SSD optional)
Expansion Bus		1 × PCI expansion slot (optional); 1 × MiniPCIe expansion slot; 1 × SIM card slot (optional)
Operating temperature		-20°C~+70°C
Storage Temperature		-40°C~+80°C
Constant Damp Heat		Temperature 40°C, relative humidity 95% (non-condensing)
Power supply		Support DC12V power input and optional DC9-36V input, support power wake-up function
Dimensions		260mm (W) × 91.7mm (H) × 165mm (D) (Excluding Tripod)

Ordering Information

Part No.	Model	Description
0010-198321	ERC-1004B-4G	Onboard J1900 2.0 Ghz/onboard 4GB memory/14 × serial port/32-channel GPIO/5 × USB2.0/1 × USB3.0/1 × VGA/2 × LAN port/1 × PS2 port/1 group of Audio port/1 × MiniPCIe/512KB NVRAM/16GB CFast card/64GB SSD/DC12V input/supporting power wake-up function

Optional Accessories

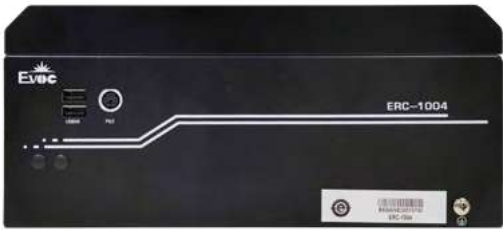
Category	Part No.	Description	Material Description	Function Description
Select One of the Motherboards	1030-027491	Motherboard(PCBA)/ROHS	ECS-1832(C)-4G/conformal coating	4G memory, 1VGA,6USB,4COM(standard parts)
	1030-027531	Motherboard(PCBA)/ROHS	ECS-1832(C)-8G/conformal coating	8G memory, 1VGA,6USB,4COM(optional)
	1030-028081	Motherboard(PCBA)/ROHS	ECS-1832(C)-2G/conformal coating	2G memory, 1VGA,6USB,4COM(optional)
	1030-028511	Motherboard(PCBA)/ROHS	ECS-1832(C)-4G-LVDS/conformal coating	4G memory, 1VGA,1LVDS, 6USB,4COM(optional)
	1030-028521	Motherboard(PCBA)/ROHS	ECS-1832(C)-8G-LVDS/conformal coating	8G memory, 1VGA,1LVDS, 6USB,4COM(optional)
	1030-028531	Motherboard(PCBA)/ROHS	ECS-1832(C)-2G-LVDS/conformal coating	2G memory, 1VGA,1LVDS, 6USB,4COM(optional)
Select One of the Display Expansion Modules	1060-007581	(NC)IO board(PCBA)/ROHS	EF-V-007ERC/2VGA(screen printing:EF-V-007ERC)	Dual VGAs from SM750, but the resolution does not support 1920*1080 (optional)
	1060-008541	(NC)IOboard(PCBA)/ROHS	EF-V-006ERC(B)	1 × VGA port or the LVDS port (one out of two) (optional)
	1060-008831	IOboard(PCBA)/ROHS	EF-V-012ERC	Dual VGA supporting 1920*1080, or the LVDS port (one out of two) (optional)
Power Supply Module	1090-013121	(NC)power board(PCBA)/ROHS	EF-PWR-047/9-36V (screen printing: EF-PWR-047)/conformal coating	Wide voltage power input DC9-36V (optional)
IO Module	1060-011851	IO board(PCBA)/ROHS	EF-EIO-119ERC-03	10COM,1GPIO,1CFast card slot (standard parts)
	1060-007601	(NC)IO board(PCBA)/ROHS	EF-EIO-180ERC/1PCI+1LAN(screen printing EF-EIO-180ERC)	1PCI+1LAN(100M)(optional)
	1060-008271	IO board(PCBA)/ROHS	EF-USB-006ERC	2USB of the front panel is transferred to the rear panel, and the GPIO port cannot be used (optional; the following supporting structural parts are also changed at the same time) Delete: 1463-039831 Rear IO+Box Cover Add: 1463-039191 Rear IO+ Box Cover

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

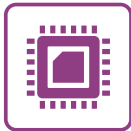
ERC-1004C

Special Controller for AFC System

ERC-1004C is a multi-serial port multi-display fanless embedded complete PC, which is specially designed for the application of terminal equipment main control unit of the metro AFC system. The complete PC has a compact structure, reasonable internal layout and rich I/O and expansion ports, and can be widely used in terminal equipment main control units of automatic gate machines (AGM), ticket vending machines (TVM) and booking office machines (BOM) of metro AFC system.



Product Features



High-performance processor



Onboard memory



Free combination to quickly meet different needs

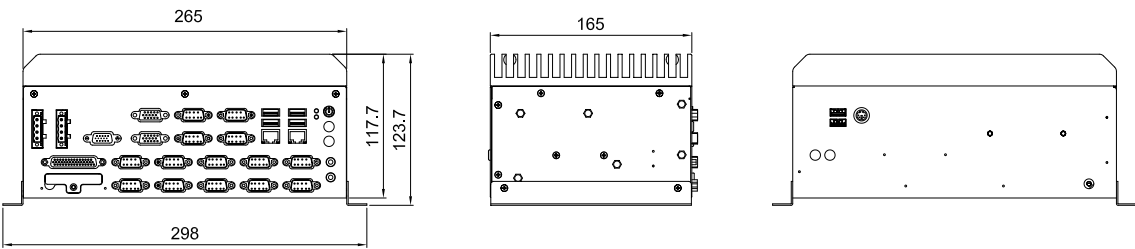


3 × Gigabit LAN port



3 × VGA display port

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Support 6th/7th/8th Gen Intel® Core™ I3/I5/I7 series; support 9th Gen Intel® Core™ I3/I5 series
	Chipset	C236
	Memory	Onboard 8GB DDR4 memory, plus a 260 Pin SO-DIMM memory slot for memory expansion (up to 40GB)
Display	VGA	Provides 3 VGAs and support combined three-display: VGA1 (resolution 1920×1080), VGA2 (resolution 1920×1080) and VGA3 (resolution 1920×1080)
I/O port	LAN port	2 × 10/100/1000Mbps RJ45 LAN port; LAN1 supports LAN wake-up 1 × 10/100/1000Mbps RJ45 LAN port (optional)
	Serial port	14 × RS232 serial port: COM1-COM4 supports RS232/422/485 mode setting; COM5-COM14 supports three-wire RS232 serial port (with isolation)
	USB	2 × USB2.0, 4 × USB3.0, supporting USB boot operating system
	PS/2	1 × PS/2
	GPIO	32-channel GPIO port
	Audio	1 group of audio ports, supporting MIC-IN/LINE-OUT
	Antenna	2 x antenna hole
Switches and Indicator Lights		1 × power switch button, 1 × power status indicator and 1 × hard disk status indicator
Storage		1 × CFast card slot, 1 × mSATA port, and 1 × 2.5-inch SSD bay (mSATA or SSD optional)
Expansion Bus		1 × MiniPCIe expansion slot; 1 × SIM card slot; 1 × PCI slot (optional)
Operating temperature		-20°C~+70°C
Storage Temperature		-40°C~+80°C
Constant Damp Heat		Temperature 40°C, relative humidity 95% (non-condensing)
Power supply		Wide voltage DC9~36V input, supporting power wake-up function
Dimensions		265mm (W) × 117.7mm (H) × 165mm (D) (Excluding Tripod)

Ordering Information

Part No.	Model	Description
0010-179531	ERC-1004C-8G	ERC-1004C complete PC/equipped with I5-6500T 2.50 GHz processor/onboard 8G memory/128G SSD/14 × serial port (including 10 × RS232, with isolation)/6 × USB port/3 × VGA/32-channel GPIO/2 × LAN port/1 × PS/2 × port/1 group of audio port/DC 9~36V input

Optional Accessories

Category	Part No.	Description	Material Description	Function Description
IO Module	1090-015951	pinboard (PCBA)/ROHS	EB-X1-010B	1PCI+1LAN (Gigabit) optional. The front panel needs to be customized

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.

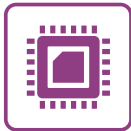
ERC-1004D

Special Controller for Automatic Fare Collection

ERC-1004D is a multi-serial port multi-display fanless embedded complete PC, which is specially designed for the application of terminal equipment main control unit of the metro AFC system. A domestic Phytium E2000Q quad-core processor is adopted, with a compact structure, reasonable internal layout and rich I/O and expansion ports. It can be widely used in terminal equipment main control units of automatic gate machines (AGM), ticket vending machines (TVM) and booking office machines (BOM) of the metro AFC system.



Product Features



High-performance processor



Onboard memory



Free combination to quickly meet different needs

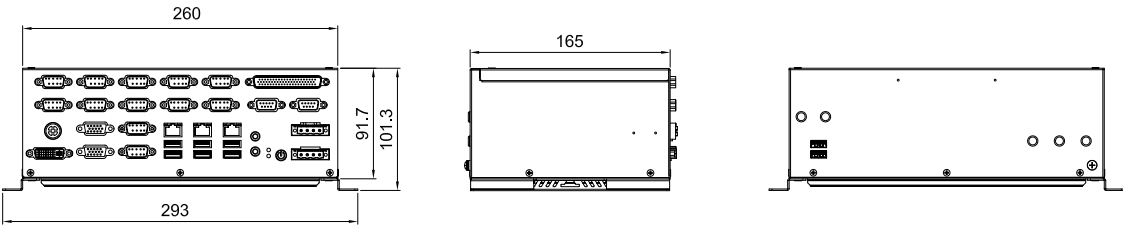


4 × Gigabit LAN port



Multiple display options

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Domestic FT E2000Q 2.0G/4C processor
	Memory	Onboard 4GB/8GB/16G DDR4 memory
	Storage	1 × 2.5-inch SSD bay, 1 × M.2 Key-M, EMMC 32GB storage (optional)
Display	VGA	Onboard 2 × VGA and 1 × display module (optional: 1 LVDS, 1 VGA or 1 HDMI)
I/O port	LAN port	Standard configuration of 2 × RJ45 port, supporting up to 3 × RJ45 + 1 × M12 LAN port 10M/100M/1000M self-adaption, LAN1 supports LAN wake-up
	Serial port	14 × serial port, including 2 × RS232/422/485 port and 12 × RS232 serial port
	USB	2 × USB3.0 and 6 × USB2.0
	GPIO	48-channel GPIO port (optional)
	Audio	1 group of audio ports, supporting MIC-IN and LINE-OUT
	Antenna	5 × antenna holes
Switches and Indicator Lights		1 × power switch button, 1 × power status indicator and 1 × hard disk status indicator
Expansion Bus		1 × Mini-PCIe expansion slot; 1 × M.2 Key-B port; 1 × SIM card slot
Operating temperature		-20°C~+70°C
Storage Temperature		-40°C~+80°C
Constant Damp Heat		Temperature 40°C, relative humidity 95% (non-condensing)
Power supply		Support DC12V power input and optional DC9-36V input, support power wake-up function
Operating system		Support a variety of mainstream domestic operating systems, including Ubuntu20.04 and Kylin (embedded version V10 SP1)
Dimensions		260mm (W) *91.7mm (H) *165mm (D) (Excluding Tripod)

Ordering Information

Part No.	Model	Description
0010-199781	ERC-1004D-4G/E2000Q/4G /128G/14 × serial port/8USB	Onboard E2000Q 2.0Ghz processor/onboard 4G memory/SSD: SATA 128G/14 × serial port/32-channel GPIO/2 × USB3.0, 6 × USB2.0/2 × VGA display/2 × RJ45 LAN port/1 group of audio ports/1 × Mini-PCIe expansion slot/1 × M.2 Key-B/DC12V input
0010-199791	ERC-1004D-8G/E2000Q/8G /128G/14 × serial port/8USB	Onboard E2000Q 2.0Ghz processor/onboard 8G memory/SSD: SATA 128G/14 × serial port/32-channel GPIO/2 × USB3.0, 6 × USB2.0/2 × VGA/2 RJ45/1 group of audio ports/1 × Mini-PCIe expansion slot/1 × M.2 Key-B/DC12V input
0010-207281	ERC-1004D-8G/E2000Q/8G/128G/14 × serial port/8USB/4 × LAN port	Onboard E2000Q 2.0Ghz processor/onboard 8G memory/SSD: SATA 128G/14 × serial port/32-channel GPIO/2 × USB3.0, 6 × USB2.0/2 × discrete graphics VGA ports + 1 × copy VGA port/3 × RJ45+1 × M12 LAN port/1 group of audio ports/1 × Mini-PCIe expansion slot/1 × M.2 Key-B/DC12V input
0010-207291	ERC-1004D-8G/E2000Q/128G /14 × serial port/8USB/2 × LAN port/discrete graphics	Onboard E2000Q 2.0Ghz processor/onboard 8G memory/SSD: SATA 128G/14 × serial port/32-channel GPIO/2 × USB3.0, 6 × USB2.0/2 × discrete graphics VGA ports + 1 × discrete graphics HDMI port/2 × RJ45/1 group of audio ports/1 × Mini-PCIe expansion slot/1 × M.2 Key-B/DC12V input
0010-207301	ERC-1004D-8G/E2000Q/128G /14 × serial port/8USB/4 × LAN port/discrete graphics	Onboard E2000Q 2.0Ghz processor/onboard 8 memory/SSD: SATA 128G/14 × serial port/32-channel GPIO/2 × USB3.0, 6 × USB2.0/2 × discrete graphics VGA port + 1 × discrete graphics LVDS port/3 × RJ45+1 × M12 LAN port/1 group of audio ports/1 × Mini-PCIe expansion slot/1 × M.2 Key-B/DC12V input

Optional Accessories

Category	Part No.	Description	Material Description	Function Description
Select One of the Motherboards	1030-036981	Motherboard (PCBA)/ROHS	ECS-1502-4G/conformal coating	4G memory, 2VGA, 8USB, 2COM, 3RJ45 + 1 × WAFER socket (1 × M12 LAN port can be led out through wires) (optional)
	1030-037001	Motherboard (PCBA)/ROHS	ECS-1502-4G-2 LAN/conformal coating	4G memory, 2VGA, 2LAN, 8USB and 2COM (standard parts according to the configuration)
	1030-037021	Motherboard (PCBA) /ROHS	ECS-1502-8G/conformal coating	8G memory, 2VGA, 8USB, 2COM, 3RJ45+1 × WAFER socket (1 × M12 LAN port can be led out through wires) (standard parts according to the configuration)
	1030-037041	Motherboard (PCBA) /ROHS	ECS-1502-8G-2LAN/conformal coating	8G memory, 2VGA, 2LAN, 8USB, 2COM(standard parts according to the configuration)
	1030-037151	Motherboard (PCBA)/ROHS	ECS-1502-16G/conformal coating	16G memory, 2VGA, 8USB, 2COM, 3RJ45+1 × WAFER socket (1 × M12 LAN port can be led out through wires) (optional)
	1030-037171	Motherboard (PCBA) /ROHS	ECS-1502-16G-2LAN/conformal coating	16G memory, 2VGA, 2LAN, 8USB, 2COM (optional)
Select One of the Three Display Expansion Modules	1060-012601	(NC) IO board (PCBA)/ROHS	EF-V-021ERC	1 × VGA display port, matched with the motherboard, only supporting three-display replication (optional)
	1060-013071	(NC)(YF)IO board(PCBA)/ROHS	EF-V-023ERC	1 × discrete graphics LVDS display module, matched with the complete PC, supporting 3 × discrete graphic (optional)
	1060-013081	(NC)(YF)IO board(PCBA)/ROHS	EF-V-024ERC	1 × discrete graphics HDMI display module, matched with the complete PC, supporting 3 × discrete graphics (optional)
Power Supply Module	1090-013121	(NC) power board (PCBA)/ROHS	EF-PWR-047/9-36V (screen printing: EF-PWR-047)/conformal coating	Wide voltage power input DC9-36V (optional)
IO Module	1060-012581	(YF) IO board (PCBA)/ROHS	EF-EIO-316ECS	2 × DB9 full-function adjustable serial port, 10 × RS232 serial port and 48-channel GPIO (standard parts)
	1060-012591	(YF)(NC)IO board(PCBA)/ROHS	EB-X1-100C	1 PCIeX1 (optional)

TRW-8271

2U 19" Rack-mounted Complete PC

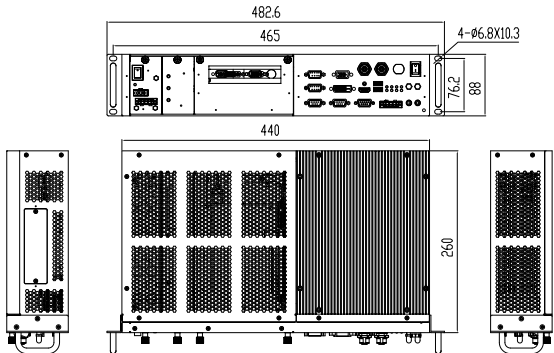
TRW-8271 is a 2U 19" rack-mounted complete PC, which adopts high-performance and low-power consumption processors. It can be applied in a wide-temperature environment and meets the requirements of EN50155 (European railway application standard) on electromagnetic compatibility, shock and vibration tests. It is a product for passenger information systems (PIS) for railways and subways.



Product Features

- The 6th Gen embedded low-power consumption, high-performance platform
- High-quality M12 LAN port dedicated to railway
- Easy-to-maintain integral detachable expansion compartment design
- Meet the European railway standard EN50155
- High-reliability and long-service life supercapacitor

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item		Description
System Configuration	Processor	Onboard Intel®Core™ i7-6822EQ 2.0GHz (max. 2.8GHz) quad-core 8-thread Onboard Intel®Core™ i5-6442EQ 1.9GHz (max. 2.7GHz) quad-core 4-thread
	Chipset	Intel CM236
	Memory	Onboard DDR4 2133MHz 4GB memory; 1 × SODIMM slot (up to 16GB)
Storage		1 × mSATA port; 4 × SATA hard disk interface
Display		1 × VGA port; 1 × DVI-D port; 1 × HDMI port
I/O port	LAN	2 × M12-A 10/100/1000Mb LAN; 1 × M12-A 10/100/1000Mb LAN (optional)
	Serial Port	2 × DB9 isolated serial port (supporting RS-232/422/485 mode selection, all RS-232 by default); 2 × DB9 serial port (supporting RS-232/422/485 mode selection, all RS-232 by default)
	GPIO	8-channel GPIO (DB9 female connector)
	USB	2 × USB3.0 Type-A port
	Audio	Line In, Line Out 1 × Audio port (Phoenix terminal)
Expansion Bus		1 × 32bit PCI or 1 × PCIeX16 (PCIeX4 signal); 1 × Mini-PCIe; 1 × SIM
Operating temperature		-25°C ~ +55°C; 5% ~ 90% 40°C (non-condensing)
Storage Environment		-40°C~+70°C; 5%~90% 40°C (non-condensing)
Power supply		Pluggable AC, DC90-260V input (Phoenix terminal, customizable M23 aviation plug), lead-acid battery, supercapacitor (discharge time: ≥ 90S) optional
Dimensions (W×H×D)		482.4mm x88mm x 260mm

Ordering Information

Part No.	Model	Description
0010-112911	TRW-8271-01	Intel i7-6822EQ 2.0GHz/4GB DDR4/128GB mSATA/2 × M12/4 × SATA hard disk/PCI/DC110V/ battery
0010-112921	TRW-8271-02	Intel i5-6442EQ 1.9GHz/4GB DDR4/128GB mSATA/2 × M12/4 × SATA hard disk bay/PCIe/DC110V/ battery
1040-100411	TRW-BATTERY-04- battery module	Battery module (assembly)/ROHS
1040-100431	TRW-POWER-04- power supply module	Power module (assembly)/ROHS
1040-100451	TRW-BATTERY-05	Supercapacitor module (assembly)/ROHS

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.