

EC0-1822

ATX Structure Motherboard

EC0-1822 motherboard adopts standard ATX specifications and Intel® H420E platform, and supports LGA 1200 pin 10th Gen processors. It provides 2 DDR4 DIMM memory slots, and supports PCI+PCIe expansion combination, multiple COM ports, and multiple USB ports. It can be widely used in industrial automation, IOT, self-service terminals, petrochemical industry, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



Product Features



Supports Intel® 10th Gen processors



Supports 2 x memory slot

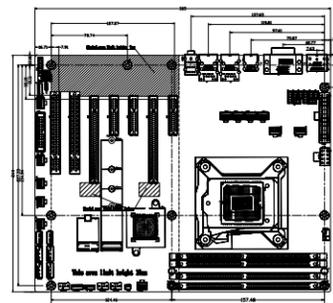


10 x USB port



4 x PCI+
3 x PCIe expansion

Product Dimensions Drawing



Please refer to the user manual to check detailed specifications and dimension. (Unit: MM)

Product Specifications

Item	Description
Processor	Supports Intel® LGA 1200 pin 10th Gen processors, maximum power consumption of processor TDP≤125W
Chipset	H420E
Memory	2 x DDR4 DIMM memory slot, a single memory module supporting 32GB, the two 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 x Gigabit LAN port, LAN1 supporting Wake-on-LAN
Storage	4 x SATA3.0
IO Ports	6 x COM port, COM1, COM2 supporting RS-232/RS-422/RS-485 mode selection 4 x USB 2.0 port, 6 x USB3.2 GEN1 port 1 x PS/2 port 1 x 8-channel digital I/O port 1 x TPM port
Bus Expansion	4 x PCI 2 x PCIe4 (actually providing x1 signal) 1 x PCIe16 1 x M.2 KEY M port(PCIE x2, 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
Dimensions	305mm (L)×244mm (W)
Operating System	WIN10, Linux

Ordering Information

Part No.	Model	Description
0030-023461	EC0-1822	ATX structure 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 and DVI-D/4 x SATA3.0, 1 x M.2 (PCIe3.0 x2 M-key 2280 type)/2 x Gigabit LAN port/6 x USB 3.2 Gen 1, 4 x USB 2.0/ 6 x COM/1 group of audio ports port/1 x 8 bit GPIO/1 x TPM/1 x LPT/1 x LPC/1 x PS2 on motherboard/expansion: 4 x PCI, 1 x PCIe x16, 2 x PCIe4 (actually providing the speed of x1)
0020-066411	IPC-710/EC0-1822/350W	H420E platform motherboard/350W power supply/2 x COM, 8 x USB (2 at front, 6 at rear)/2 x Gigabit LAN port/VGA+DP/1 group of audio ports/expansion: 4 x PCI, 2 x PCIe4 (actually providing the speed of x1), 1 x PCIe16
0020-065581	IPC-810/EC0-1822/300W/ barebone system	H420E platform motherboard/300W power supply/2 x COM/8 x USB (2 at front, 6 at rear)/2 x Gigabit LAN port/VGA+DP/1 group of audio ports/expansion: 4 x PCI, 2 x PCIe4 (actually providing the speed of x1), 1 x PCIe16
0010-153571	IPC-810E/EC0-1822/i5-10500E/8G/1T/300W	H420E platform motherboard/i5-10500E/8G memory/1T HDD/300W power supply/6 x COM/8 x USB (2 at front, 6 at rear)/2 x Gigabit LAN port/VGA+DP/1 group of audio ports/expansion: 4 x PCI, 2 x PCIe4 (actually providing the speed of x1), 1 x PCIe16
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 at front, 6 at rear)/2 x Gigabit LAN port/VGA+DP/1 group of audio ports/expansion: 4 x PCI, 2 x PCIe4 (actually providing the speed of x1), 1 x PCIe16
0010-153591	IPC-820/EC0-1822/i9-10900E/16G/1T/256G	H420E platform motherboard/i9-10900E/16G memory/1T HDD+256G SSD/300W power supply/6 x COM/8 x USB (2 at front, 6 at rear)/2 x Gigabit LAN port/VGA+DP/1 group of audio ports/expansion: 4 x PCI, 2 x PCIe4 (actually providing the speed of x1), 1 x PCIe16

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