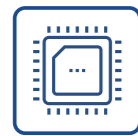PARHELIA

Intelligent manufacturing

COM-1818

ComExpress Single Board

COM-1818CLNAR motherboard adopts the Type6 standard COM Express Compact Module, INTEL 6th Gen Skylake-U architecture, onboard Intel high-performance low-power Skylake-U series core, and the Celeron 6th Gen processors. The motherboard has powerful computing capability and supports high-performance DDR4 memory. It can be widely used in communication, automation, medical care and other fields, and customers can design and develop their own carrier boards according to their needs.

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 Ports	Supports VGA, LVDS, DDI (expandable to DP/HDMI/DVI via carrier board) and other display ports
Audio Ports	Supports HDA
LAN	1 x 10/100/1000 Mbps LAN port (Intel I219V), supporting Wake-on-LAN
Storage	2 x SATA 3.0 port
IO Ports	4 x USB2.0 port, 4 x USB 3.0 port, 2 x COM port, 4-channel input/4-channel output I/O ports
Bus Expansion	5 x PCIEx1; SPI, I2C, SMBUS, LPC and other buses
Working Environment	0°C～60°C(expandable to -40°C～85°C); 5%～95% (non-condensing)
Storage Environment	-40°C～85°C, 5%～95% (Non-condensing)
Watchdog	255 level, programmable by second/minute, timeout interrupt or system reset
Power Supply	8.5V-20V wide-voltage power supply
Dimensions (W×D×H)	95mm x 95mm
Supported Operating Systems	Windows7, Windows8.1, Windows10, Linux

* As for environment, EMC and content of other indexes, the Technical Agreement between the two sides shall prevail.
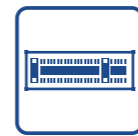
Product Features

6th Gen processor

Dual-channel DDR4 memory slot

Supports 3-channel independent display

Supports 8 x USB port

Multiple PCIE ports
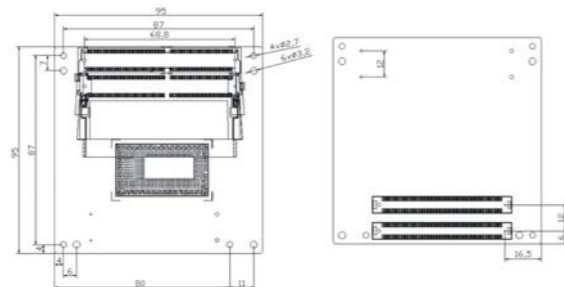
Wide-voltage power supply 8.5V-20V

Ordering Information

Part No.	Model	Description
0030-021801	COM-1818CLNAR-3955U	COM Express Compact Type 6 module/onboard Intel Celeron 3955U 2.0GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/supports VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP multiple display ports, supporting up to 3 independent display ports/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, SMbus expansion bus/5*PCIEx1
0030-021811	COM-1818CLNAR-I36100U	COM Express Compact Type 6 module/ onboard Intel Core i3-6100U 2.3GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/supports VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP multiple display ports, supports up to 3 independent display ports/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, SMbus expansion bus/5*PCIEx1
0030-022061	COM-1818CLNAR-I36100U	COM Express Compact Type 6 module/ onboard Intel Core i3-6100U 2.3GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/self-defined display ports/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, SMbus expansion bus/5*PCIEx1
0030-021821	COM-1818CLNAR-I56300U	COM Express Compact Type 6 module/ onboard Intel Core i5-6300U 2.4GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/supports VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP multiple display ports, supports up to 3 independent display ports/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, SMbus expansion bus/5*PCIEx1
0030-022051	COM-1818CLNAR-I56300U	COM Express Compact Type 6 module/ onboard Intel Core i5-6300U 2.4GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/self-defined display ports/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, SMbus expansion bus/5*PCIEx1
0030-021781	COM-1818CLNAR-I76600U	COM Express Compact Type 6 module/ onboard Intel Core i7-6600U 2.6GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/supports VGA, dual-channel 24BIT LVDS, HDMI, DVI, DP multiple display ports, supports up to 3 independent display ports/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, SMbus expansion bus/5*PCIEx1
0030-021791 (Hytera)	COM-1818CNAR-I76600U	COM Express Compact Type 6 module/ onboard Intel Core i7-6600U 2.6GHzCPU/supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB/self-defined display ports/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, SMbus expansion bus/5*PCIEx1
1500-004391	COM-1818 heat sink module	Including heat-conducting plate, CPU heat sink
0050-001591	EDB-COM08	Carrier board part No.

Note: The final interpretation rights for product specifications, ordering information, etc. belong to EVOC Intelligent Technology Co., Ltd.

Product Dimensions Drawing

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