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 Specifications

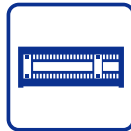| Item	Description
Processor	Onboard Intel Celeron 3955U 2.0Ghz, Intel Core I3-6100U 2.3GHz, I5-6300U 2.4GHz, I7-6600U 2.6GHz
Chipset	Skylake-U
Memory	Supports dual-channel DDR4 1866/2133MHz SO-DIMM, UP to 32GB (non-ECC)
Display Port	Supports VGA, LVDS and DDI (DP/HDMI/DVI can be expanded through a carrier 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 PCIEx1; 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

Product Features

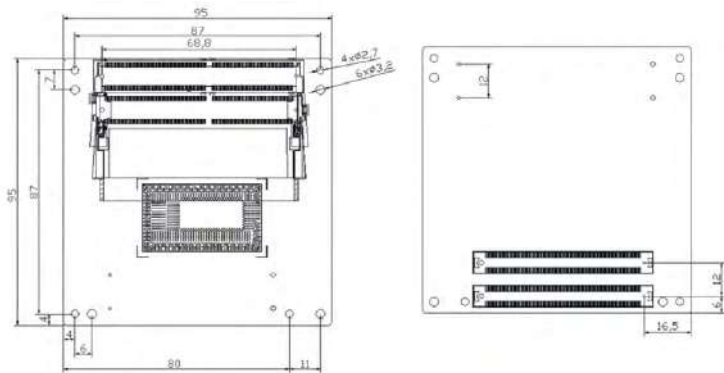| 6th Gen processor	Dual-channel DDR4 memory slot	Supports independent display of 3 channels	Supports 8 x USB port	Multiple PCIE ports	Working Temperature 0°C~60°C

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

Product Dimensions Drawing

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

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