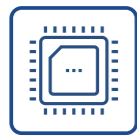PARHELIA

Intelligent manufacturing
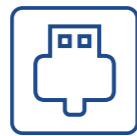
ECO-1820

ATX Structure Motherboard

ECO-1820 motherboard adopts standard ATX specifications and Intel® 310 chipset, and supports latest Intel 8/9th Gen processors. It supports PCI+PCIE expansion combination, multiple COM ports, and multiple USB ports. The product can be widely used in petrochemical industry, automation control, automatic testing, safety monitoring, intelligent transportation, environmental protection, communication and other fields.
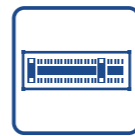
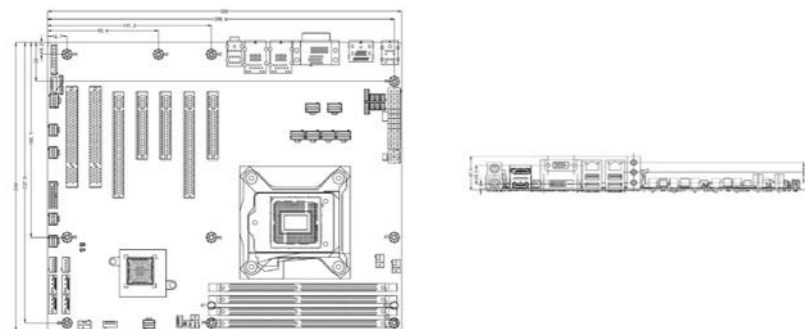## Product Features

Supports Intel® 8/9th Gen processors

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 1151 pin 8/9th Gen processors
Chipset	H310
Memory	2 x DDR4 DIMM memory slot, a single memory module supporting 16GB, the two supporting up to 32GB
Display Ports	Any two display ports among VGA, HDMI, DVI-D, 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	10 x COM port, COM1, COM2 supporting RS-232/RS-422/RS-485 mode selection 4 x USB 3.0, 6 x USB 2.0 1 x PS/2 port 1 x 8-channel digital I/O port 1 x TPM port
Bus Expansion	5 x PCI 1 x PCIEx16 1 x PCIEx4
Power Supply	ATX power supply
Working Environment	-10℃～60℃
Storage Environment	-20℃～80℃
Constant Damp Heat	40℃ 95%RH, non-condensing
Dimmensions	305mm (L)×244mm (W)
Operating System	WIN10, Linux

OrderingInformation

Part No.	Model	Description
0030-022941	ECO-1820(B)	ATX structure motherboard/H310 chipset/supports Intel® 8/9th Gen processors/2 x DDR4 DIMM memory slot/any three display ports among VGA, HDMI, DVI-D, DP/4 x SATA3.0/2 x Gigabit LAN port/10 x USB/10 x RS-232/1 group of audio ports/1 x 8-channel GPIO/expansion: 5 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 at front, 4 at rear)/2 x Gigabit LAN port/any two display ports among VGA, HDMI, DVI-D, DP/1 group of audio ports/1 x PS2/expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0020-065321	IPC-810/ECO-1820(B)-NS/250W	H310 platform motherboard/250W power supply/2 x COM/6 x USB (2 at front, 4 at rear)/2 x Gigabit LAN port/any two display ports among VGA, HDMI, DVI-D, DP/no sound card/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 at front, 4 at rear)/2 x Gigabit LAN port/any two display ports among VGA, HDMI, DVI-D, DP/1 group of audio ports/1 x PS2/expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-140691	IPC-820/ECO-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 at front, 4 at rear)/2 x Gigabit LAN port/any two display ports among 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

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