EC0-1825

Intelligent manufacturing

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.
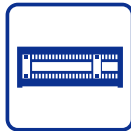
Product Features

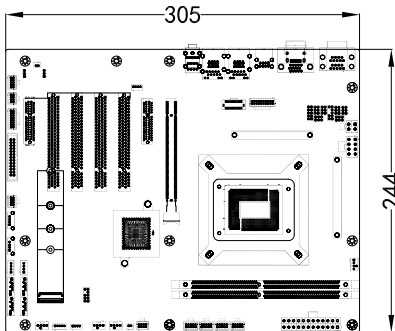| Supports Intel 12th Gen processor	Supports HDMI2.0b high-definition display	Supports PCIE5.0	Provides 1 × 2500Mbps LAN port

Product Dimensions Drawing

305

244

37.6

(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 × PCIEx16 (supporting up to PCIE5.0) 1 × PCIEx4 (bit number PCIE1, PCIE3.0 x2 signal) 1 × PCIEx4 (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℃～60℃
Storage Environment	-40℃～85℃
Constant Damp Heat	40℃ 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.