

EC0-1823

ATX Motherboard

The EC0-1823 mainboard adopts the standard ATX specification and Intel 470E&W480E chipset, which can support LGA 1200 pin 10/11th Gen processors; provides 4 x DDR4 DIMM memory slot, supporting expansion up to 128 GB; supports high-speed USB 3.2 Gen2 port, 10Gb/S broadband speed; supports PCI+PCIE expansion combination, multiple serial ports and multiple USB ports, and supports AMT remote management function; it can be widely used in industrial automation, machine vision, deep learning, safety monitoring, intelligent transportation, environmental protection, communication and other fields.



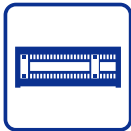
Supports Intel 10/11th Gen processors



AMT remote management

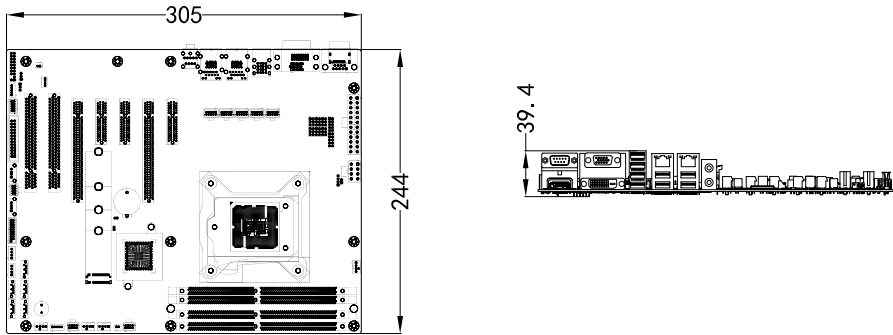


14 × USB port



2 × PCI
5 × PCIe expansion

Product Dimensions Drawing



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

Product Specifications

Item	Description
Processor	Q470E chipset: supports Intel LGA 1200 pin 10/11th Gen processors, with a maximum power consumption of 125W W480E chipset: supports Intel LGA 1200 pin 10/11th Gen processors and Xeon W series processors, with a maximum power consumption of 125W
Chipset	Q470E/W480E
Memory	4 × DDR4 DIMM memory slot, a single memory supporting 32GB, the four supporting up to 128GB
Display Ports	VGA, DVI-D and DP three-display
Audio	Ports Supports MIC-IN/LINE-OUT
LAN	2 × Gigabit LAN port, LAN1 supports LAN wakeup
Memory	5 × SATA3.0, supporting RAID 0, 1, 5, 10
I/O Port	6 × serial port, COM1 and COM2 support RS-232/RS-422/RS-485 mode selection 8 × USB2.0, 4 × USB3.2 GEN1 (5Gb/s), 2 × USB3.2 GEN1 (10Gb/s) 1 × PS/2 port 1 × 8-channel digital I/O port 1 × TPM port
Bus Expansion	2 × PCI, 3 × PCIe4 2 × PCIe16 (when the two PCIe slots are occupied at same time, PCIe8 speed is used) 1 × M.2 KEY M port (PCIe3.0 X4 and SATA signal)
Power Supply	ATX power supply
Working Environment	-10°C~60°C
Storage Environment	-40°C~85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	305 mm (L) × 244 mm (W)
Operating System	WIN10, WINServer 2019, Linux high kernel version

Ordering Information

Part No.	Model	Description
0030-023841	EC0-1823-03	ATX motherboard /Q470E chipset/supports Intel 10/11th Gen processors/provides 4 × DDR4 DIMM memory slot, supporting expansion up to 128GB/VGA+DP+DVI-D three-display/5 × SATA3.0, supporting Raid 0, 1, 5, 10/1 × M.2/2 × Gigabit LAN port/14 × USB/6 × COM/supports MIC-IN/LINE-OUT /1 × 8-channel GPIO/1 × TPM/1 × LPT/1 × LPC/ expansion: 2 × PCI, 2 × PCIe x16 and 3 × PCIe x4
0030-023851	EC0-1823-04	ATX motherboard /W480E chipset/supports Intel LGA1200 pin 10/11th Gen processors, Xeon W series processors/ provides 4 × DDR4 DIMM memory slot, supporting expansion up to 128GB/VGA + DP + DVI-D three-display/5 × SATA3.0, supporting Raid 0, 1, 5, 10/1 × M.2/2 × Gigabit LAN port/14 × USB/6 × COM/supports MICIN/LINE-OUT/1 × 8-channel GPIO/1 × TPM/1 × LPT/1 × LPC/expansion: 2 × PCI, 2 × PCIe x16, 3 × PCIe x4

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