

ECO-1826

ATX SBC with Intel® Q670E Chipset



Features

- Standard ATX specification
 - Intel® Q670E chipset
 - Support Intel® LGA1700 pin 12th/13th Core™ i9/i7/i5/i3 series CPU.
 - Provide 4 x DDR4 Non-ECC U-DIMM memory slots.
 - 6 x COM (COM1/COM2 support RS232/422/485 Optional)
 - 1 x PCI, 1 x PCIe x 4 (Gen 3), 3 x PCIe x 4 (Gen 4), 1 x PCIe x 16 (Gen4, x8 link), 1 x M.2 key-M (PCIex4 Gen4)
- Application: industrial automation, machine vision, deep learning, security monitoring, intelligent transportation, environmental protection, communication and other fields.

Specifications

Item	Description
CPU	Support Intel® LGA1700 pin 12th/13th Core™ i9/i7/i5/i3 series CPU.
Chipset	Intel® Q670E
Memory	4 x DDR4 Non-ECC U-DIMM memory slots, each slot supports 32GB, total up to 128GB
Storage	4 x SATA3.0, support RAID0,1,5,10
Display	VGA, DP, HDMI2.0 triple display, preserver 1xEDP (optional)
LAN	2 x 10/100/1000Mbps LAN, LAN1 Support wake-on-line
Audio	Support MIC-IN/LINE-OUT
I/O	6 x COM, COM1/COM2 support RS232/422/485 optional, COM1 onboard, COM2-6 are built-in motherboard. Onboard(side): 2xUSB3.2 Gen2, 2xUSB3.2 Gen1, 4xUSB2.0 Built-in: 2 x USB3.2 Gen1, 2 x USB2.0, 2 x USB2.0 TYPE-A 1 x PS2 1 x 8 channel GPIO 1 x TPM 1 x LPT
Expansion bus	1xPCI 1xPCIe x4 (Gen3) 3xPCIe x4 (Gen4) 1xPCIe x16 (Gen4) 1xPCIe x16 (Gen4, x8 link) 1xM.2 key-M (PCIex4 Gen4) (size: 2280)
Power supply	ATX power supply
Operating Environment	-10~60℃
Storage Environment	-40~85℃
Constant heat and humidity	(40)℃ (95)%RH (Non-condensing)



OS	Windows 10 (need Windows 10(21H1) and the version after it) , WIN11, high kernel version LINUX (kernel version needs to be 5.15 or above.)
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Ordering Information

Model Number	Description
ECO-1826-01	ATX motherboard/Q670E chipset/support Intel 12/13th Core™ i9/i7/i5/i3 Pentium®/Celeron® LGA1700pin processor/provide 4xDDR4 (Non-ECC) 3200MHz U-DIMM memory slot, support up to 128GB/VGA+DP+HDMI2.0 tri-display/5xSATA3.0, support Raid 0,1,5,10/1 x M.2/2 x GbE/2 x USB 3.2 Gen 2, 4 x USB 3.2 Gen 1, 6 x USB 2.0, 2 x USB 2.0 Type-A / 6xCOM, among which COM1/COM2 supports RS232/422/485 optional/MIC-IN/LINE-OUT /1x8 channel GPIO/1xTPM/1xPCI, 1xPCIe x4 (Gen3), 3xPCIe x4 (Gen4), 1xPCIe x16 (Gen4),1xPCIe x16 (Gen4, x8 link) Note: if 2xPCIe x16 slots are used at the same time, the speed will be reduced to PCIe x8 speed.