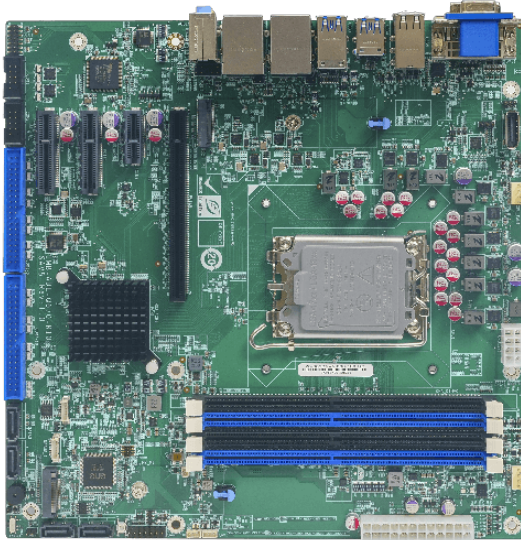


IMB-ADL-Q670

micro-ATX motherboard supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



Features

- » LGA1700 Intel® 12th/13th/14th Generation Core i9/i7/i5/i3, Pentium and Celeron processor (up to 125W)
- » Dual-channel DDR4 3200MHz supported up to 128GB
- » Support triple independent display via DVI,VGA and internal DP++
- » Support one PCIe x16, two PCIe x4 and one PCIe x1 expansions
- » Support two M.2 M keys and four SATA for storage

Specifications

| | |
|-----------------------------|--|
| Form Factor | |
| Form Factor | micro ATX |
| System | |
| CPU | LGA1700 socket supports 12th/13th/14th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 125W TDP CPU) |
| Chipset | Intel® Q670/Q670E |
| Memory | Four 288-pin 3200 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs supported up to 128GB |
| Memory Max. | 128GB |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin) 1 x System fan connector (1x4 pin) |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 244mm x 244mm |
| Net Weight | 700g |
| Storage | |
| Storage | 4 x SATA : RAID 0/1/5/10 supported 2 x M.2(NGFF) - 1 x M Key (2242/2280, PCIe x4) 1 x M Key (2242/2280, PCIe x2) |
| I/O Interface | |
| Display Output | 1 x VGA : up to 1920x1200@60Hz 1 x DVI-I : up to 1920x1200@60Hz 1 x DP++ : up to 4096 x 2304 @60Hz |
| Ethernet | 2 x LAN - LAN1: Intel® I225LM/I226LM 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller |
| Audio | HD Audio - Realtek ALC888S HD Audio codec supports 7.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO |

| | |
|-----------------------|---|
| | 1 x Front audio (2x5 pin) |
| I/O Interface | 8 x Internal RS-232 : 2x20 pin, P=2.54 |
| | 2 x Internal RS-232/422/485 : 2x5 pin, P=2.54 |
| | 4 x External USB 2.0 (Type A) |
| | 6 x External USB 3.2 Gen1x1 : 5Gb/s(Type A) |
| | 4 x External USB 3.2 Gen2x1 : 10Gb/s(Type A) |
| | 1 x I ² C : 1x4 pin |
| Expansion | 1 x PCIe x16 : Gen4 slot with x16 Signal |
| | 2 x PCIe x4 : Gen4 open-end |
| | 1 x PCIe x1 : Gen3 |
| | 2 x M.2(NGFF) - 1 x M Key (2242/2280, PCIe x4) NVMe support 1 x M Key (2242/2280, PCIe x2 for SSD) NVMe support |
| Power | |
| Power Consumption | 3.3V@1.36A, 5V@11.85A, 12V@5.75A, 5VSB@0.38A (Intel® Core™ i9-12900E CPU with two 32 GB 3200 MHz DDR4 memory, EuP mode enabled) |
| Power Supply | ATX/AT power supply |
| | Support AT/ATX mode |
| | ErP/EuP Compliant |
| Environment | |
| Operating Temperature | -10°C~60°C |
| Storage Temperature | -30°C~70°C |
| Humidity | 5% ~95%, non-condensing |

Ordering Information

| | |
|------------------|---|
| IMB-ADL-Q670-R10 | micro-ATX motherboard supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS |
|------------------|---|

Packing List

| | |
|--|----------------|
| 1 x IMB-ADL-Q670 single board computer | 2 x SATA cable |
| 1 x I/O shielding | 1 x QIG |