

GMB-IQ67010

Industrial Motherboard Mini-ITX Form Factor

Alder Lake-S / Raptor Lake-S / Raptor Lake-S Refres /
Bartlett Lake-S 12th / 13th / 14th Gen. Intel® Processors
Intel® Q670E Chipset

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FEATURES

- Intel® 12th / 13th / 14th Gen Core™ processor Alder Lake-S / Raptor Lake-S / Raptor Lake-S Refres / Bartlett Lake-S Platform
- Intel® Q670E Chipset support Intel® vPro technology
- Support up to DDR5-5600 SO-DIMM Max 64GB (Non-ECC)
- Extend interface by 1 x PCIe16 + 1 x M.2 key M + 1 x M.2 key E
- Dual Display Port 1.2 + VGA + 8 x USB3.2 + 2 x USB2.0 ports and 3 x SATAIII (support RAID 0, L 5, 10)
- Support four GbE LAN ports by RJ45 connector
- DC-In power Range from 12 to 24Vdc

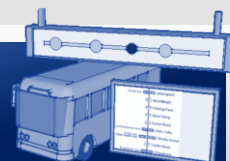
Automotive industry
Manufacturing



Semiconductor
Industry



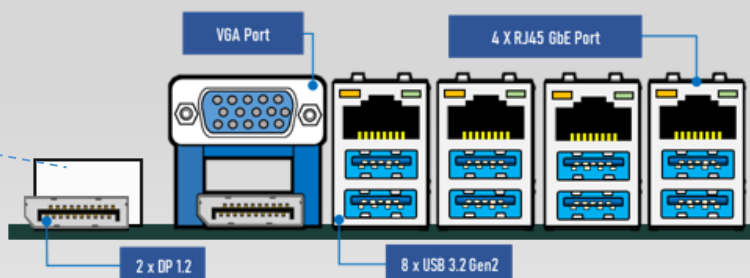
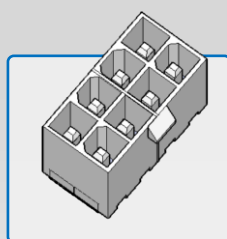
Digital Signage
solutions



PACKING LIST

- 1x Motherboard 、 1x I/O Shield Panel 、 Product Guide

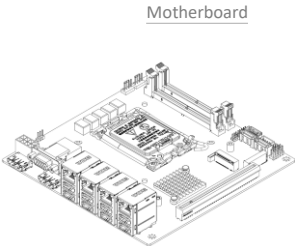
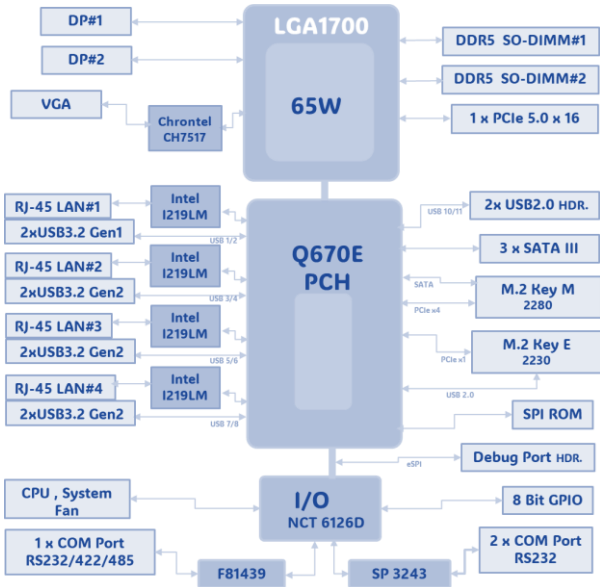
DC-in
connector



<https://www.contec.com/>

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MECHANICAL DIMENSIONS



Specifications

PROCESSOR	Intel® 12 th / 13 th / 14 th / BTL-S Gen. Processors, LGA1700 socket (65W/35W TDP)
CHIPSET	Intel® Q670E Platform Controller Hub
BIOS	AMI UEFI BIOS
MEMORY	2 x DDR5-5600MHz SO-DIMM Up to 64GB
GRAPHIC CONTROLLER	Intel® graphic UHD 710 / 730 / 770 (By CPU SKU)
DISPLAY INTERFACE	2 x DisplayPort 1.2 on rear I/O (3840 x 2160 @60Hz) 1 x VGA on rear I/O (1920 x 1080 @60Hz)
STORAGE I/F	3 x SATA III (6.0Gb/s) Port 1 x M.2 key M Type 2280 (PCIe x4+SATAIII signal)
ETHERNET	1x 10/100/1000 BASE-T(Intel®i219LM) 3x 10/100/1000 BASE-T(Intel®i210AT)
USB PORT	6 x USB 3.2 Gen2 (Rear I/O)+ 2 x USB 3.2 Gen1 (Rear I/O) 2 x USB 2.0 (Internal Pin header)
SERIAL PORT	1 x RS-232/422/485 port by Internal pin header 2 x RS-232 port by Internal pin header
EXPANSION INTERFACE	1 x M.2 Key E Type 2230 (PCIe x1/ USB2.0 signal) 1 x PCIe Gen5x16 or 2 x PCIe Gen5×8 (By jumper setting)
GPIO	8-bit general purpose input output I/O
WATCHDOG TIMER	Programmable by embedded controller
HARDWARE MONITORING	System monitor(Voltage, Fan Speed and Temperature)
POWER MANAGEMENT	DC-In 12 to 24 Vdc power connector
ACPI	Power On by Ring, Wake On Lan
DIMENSION (W) x (H)	170mm x 170mm
RTC BATTERY	CR2032 (BAT1 connector)
OPERATING TEMPERATURE	Operation Temperature: 0 to 60°C Storage Temperature: -40 to 80°C Relative Humidity: 10% to 95%, non-condensing
OS DRIVER SUPPORT	Windows®10 LTSC 2021 64 bit Windows®11 LTSC 2024 64 bit
CERTIFICATE	CE / FCC / VCCI (Class A) , UKCA , RoHS2.0