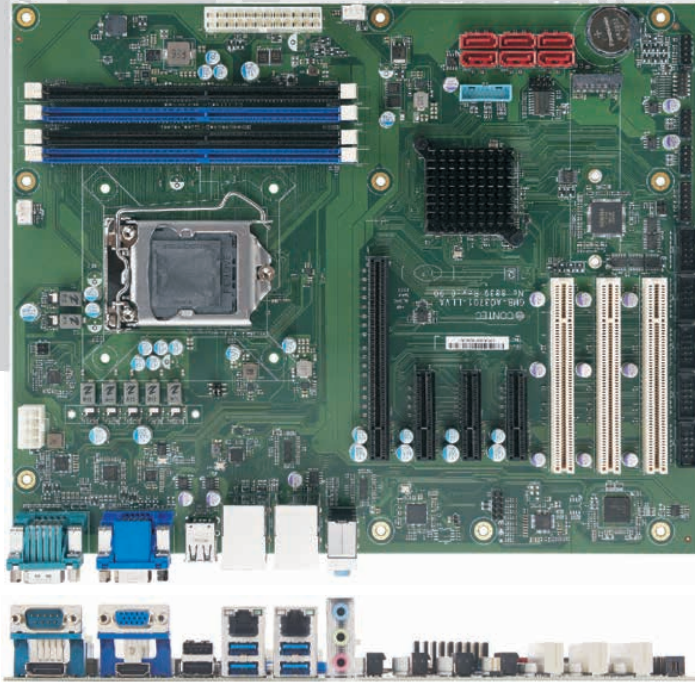


GMB-AQ3701-LLVA

Intel® 8th / 9th Gen. Core™ Coffee Lake Refresh-S Processor ATX Industrial Motherboard



Features

- Support Intel® 8th / 9th Gen. Core™ Processor (LGA1151)
- Up to 64 GB in 4 slots 288-pin DIMM sockets. Supports dual channel DDR4 2400/2666 MHz SDRAM
- 1 x PCIe by 16, 3 x PCIe by 4 + 3 x PCI slot
- Six SATA 3.0 (6Gb/s) ports and Twelve USB Ports
- Dual Giga LAN port with intel I219LM and intel I211AT
- VGA + HDMI+ Display port by I/O panel

Packing List

- 1 x Motherboard
- 1 x I/O Shield Panel
- 1 x Installation CD

Recommended CPU List

- Intel® Core™ i7-9700E
- Intel® Core™ i5-9500E
- Intel® Core™ i3-9100E
- Intel® Core™ i7-8700
- Intel® Core™ i5-8500
- Intel® Core™ i3-8100
- Intel® Pentium® G5400
- Intel® Celeron® G4900

Specifications

PROCESSOR	Intel® 8 th / 9 th Gen. Core™ processor (LGA1151)
CHIPSET	Intel® Q370 with CoffeeLake Refresh-S
BIOS	AMI UEFI BIOS
MEMORY	Up to 64GB in 4 slots 288-pin DIMM sockets. Supports dual channel DDR4 2400/2666 MHz SDRAM.
STORAGE DEVICES	6x SATA 3.0 (6Gb/s) ports
WATCHDOG TIMER	Programmable by embedded controller
HARDWARE MONITORING	System monitor(Voltage,Fan Speed and Temperature)
EXPANSION INTERFACE	One PCIe x16 (Gen3) slot Three PCIe x4 (Gen3) slot Three PCI slots
AUDIO	Line-in/ Line-out/ Mic-in (Rear I/O)
ETHERNET	2x RJ45 connector (Rear I/O) 10BASE-T/100BASE-TX/1000BASE-T, Wake On Lan Intel® I219-LM(PHY) & Intel® I211-AT
SERIAL PORT	1 x RS-232/422/485 (Rear panel) 5 x RS-232 with pin header on board
USB PORT	4x USB 3.1 (GEN2) ports (Rear Panel) 2x USB 2.0 ports (Rear Panel) 2x USB 3.1 (GEN1) ports on pin header on board 4x USB 2.0 ports with pin header on board
GPIO	1x 8bit GPIO(4bit in/4bit out) on pin header
GRAPHIC CONTROLLER	Intel® Gen 9 graphic engine supports DirectX 12, OpenGL 4.5 Intel® UHD 610 & 630 graphics (by processor)
DISPLAY INTERFACE	VGA Port Display Port HDMI Port
M.2	1x M.2 M Key (2242/2280) (PCIe x2)
OTHERS	TPM2.0 , RAID(0,1,5,10) , iAMT(11.0)
DIMENSIONS (L X W)	304.8(12.0") x 243.84(9.6") mm
POWER SUPPLY	ATX 24pin power connector , 12V 8pin power connector
ENVIRONMENT	Operation temperature : 0 to 60°C Storage temperature : -40 to 80°C Relative humidity : 5 to 95% , non-condensing
OS SUPPORT	Windows® 10 2019
CERTIFICATE	CE / FCC Class A/B, RoHS2.0

Ordering Guide

- **GMB-AQ3701-LLVA** ATX IMB 8th / 9th Gen. Intel® Core™ Processor, Intel® Q370 Chipset