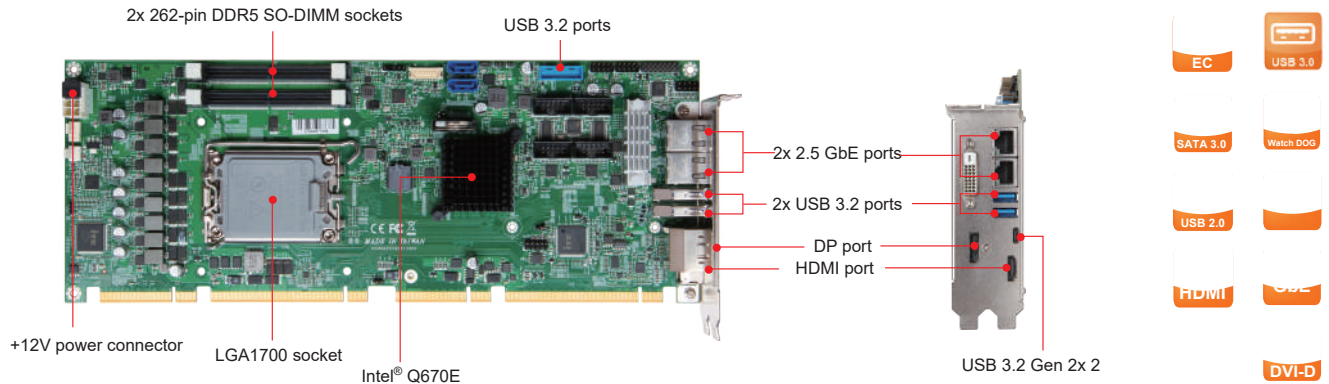


ROBO-8116G2AR-Q670E

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ROBO-8116G2AR-Q670E is based on Intel® 600 series chipset and workstation processors.
 ROBO-8116G2AR-Q670E is suitable for Medical, Industrial automation, and Digital Signage application.

FEATURES

- processors in LGA 1700 package
- Delivers up to 64GB maximum DDR5 4800 non-ECC SO-DIMM on two sockets
- Supports multiple display by DVI-D, DP and HDMI
- High speed dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface
- Support two USB 3.2 Gen2 and USB 3.2 Gen2x2 on REAR I/O
- Support on board TPM2.0

ORDERING GUIDE

AB1-3K68	(R).ROBO-8116G2AR-Q670E. PICMG 1.3(PCI-E+PCI).LGA1700. Q670E PCH. Intel processors.SHB.w/HDMI/ Dual GbE/Audio/fourCOM ports
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PACKING LIST

Standard	B6902932 SATA III cable B8981980 PICMG SBC Handling and Installation B6902352 *(GP).Cable.DB9x2 to HSG(5x2)x2 L=300mm W/Bracket for Ruby-9717/Ruby-9718. CY-8A08006R.CHUAN YANG
Optional	TBD Installation B6903090 USB 3.0 cable with bracket B6902230 USB port cable with bracket

GENERAL

Processor	- Intel® 600 series processors family in LGA1700 package - DMI 4 Link : 16GT/s - Support Intel® Trusted Execution and Speed Step Technology (depends on CPU 6.8V)
Chipset	Intel® Q670E
BIOS	AMI uEFI BIOS
Memory	Supports up to 64GB DDR5 4800 SDRAM on two 262-pin SODIMM sockets
Storage Devices	- 4x SATAIII drives (Dual ports via Backplane) - Supports RAID 0, 1, 5, 10 - 1x M.2 Type M 2280 (on bottom side)
Watchdog Timer	Programmable watchdog timer, time out period from 0.5 sec to 254.5 secs
Hardware Monitoring	System monitor(Voltage, Fan Speed and Temperature)
Expansion Interface	- From CPU: 1x PCIe x16(Gen5) or 2x PCIe x8(Gen5) and 1x PCIe x4(Gen4) setting(Gen5 up to 32 GT/s) - 1x USB 3.2 Gen2x2 type-C port on board

I/O INTERFACE

Super I/O	ITE IT5121E-I
Audio	- Intel® Realtek ALC888S HDA codec, 7.1 channels one on board audio pin header
Ethernet	- Dual Intel® WGI225LM Gigabit Ethernet controller - Dual 10BASE-T / 100BASE-TX / 1000BASE-T / 2500BASE-T Ethernet - PCI Express x1 interface based on Gigabit Ethernet - Dual RJ-45 connectors with two LED indicators
Serial Port	- 2x RS-232 ports - 2x RS-232/422/485 ports selectable - LPC to COM port IC: Fintek F81216DG
USB	- 4x USB 2.0 ports (through backplane) - 2x USB 3.2(Gen1) ports on board - 2x USB 3.2(Gen2) ports on bracket - 1x USB 3.2(Gen2 x2) type-C port on bracket

DISPLAY

Graphic Controller	Intel® Core™ i3/i5/i7/i9 processors integrated graphics engine Provides improved 3D multimedia capabilities including Microsoft DirectX 12, OpenGL 4.5
Display Interface	- Support independent triple display by DP on bracket: Resolution up to 4096x2160 - 1x DP port on bracket - 1x HDMI port on bracket

Mechanical & Environment

Dimension	- 338.5mm(L) x 126.39mm(W),13.33"(L) x 4.98"(W) PCB: 12 layers
Power Supply	- Typical: +12V, +5V - Support ATX mode
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 5~95%, non-condensing
&HUVLEDWLRQ MTBF	CE,FCC Class A Over 100,000 hours at 40°C



*All information provided is subject to change without notice. Last updated: -X8