ROBO-8914VG2AR

Intel® Core™ 2 Quad processor based PICMG 1.3 SHB with DDR3 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB

- COM2 (RS232/422/485 selectable)
- Four 240 pin DDR3 DIMM sockets
- Parallel port
- +12V Power connector
- Four SATA 300 ports
- FDD port
- COM1 (RS-232)
- PS/2 keyboard & mouse
- Dual USB ports
- Dual GbE ports
- VGA port
- LGA775 socket
- Intel® Q45
- Intel® ICH10DO
- Six USB Ports

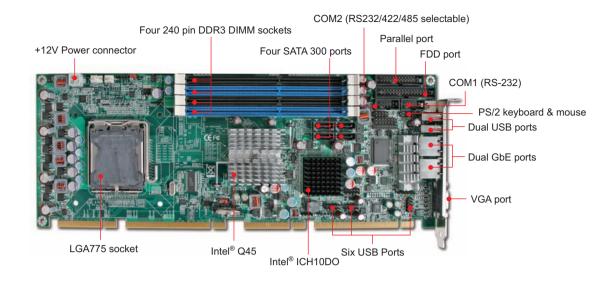## FEATURES

- Support Intel® Core™ 2 Duo and Core 2 Quad processors and offers flexible 1333/1066/800 MHz FSB selection

- Delivers up to 8GB maximum DDR3 1066/800 on four long DIMM sockets

- Support Intel® Q45 integrated GMA 4500 graphic engine delivers optimized 3D graphics performance

- Support iAMT 5.0 and iTPM function

- High speed dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface

- Rich I/O connections such as FDD, two Gigabit Ethernet, serial ports, parallel port, USB 2.0

- Four on-board SATA ports support RAID 0,1,5,10

ORDERING GUIDE

Standard	**ROBO-8914VG2AR** PICMG 1.3(PCI-E+PCI).LGA775.Core 2 Quad.SHB.w/VGA/Dual GbE/Audio
Optional	**PA-M1AU** Multimedia kit with audio and USB ports **PS/2 Keyboard/Mouse Cable with Bracket** PS/2 keyboard/mouse connectors on bracket **USB cable with bracket** Two USB ports with bracket **Low profile LGA775 Cooler** High efficiency slim cooler increases reliability of system

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GENERAL

Processor	CPU & Package: Intel® Core™ 2 Quad, Core 2 Duo, Celeron processor in LGA-775 package FSB: 1333/1066/800MHz
Chipset/Core Logic	Intel® Q45 and ICH10DO
System Memory	Up to 8GB DDR3 1066/800 SDRAM on four 240-pin DIMM socket
BIOS	AMI BIOS
Storage Devices	EIDE: N/A SATA: Support six SATA 300 drives (dual SATA ports via backplane) (RAID 0,1,5,10)
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 sec.
Expansion Interface	N/A
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	N/A
Dimension	Dimension: 338.5(L) x 126.39(W) mm / 13.33"(L) x 4.98" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	N/A

I/O

MIO	Two serial (RS-232x1, selectable RS-232/422/485 x1), one parallel and one FDD channel
IrDA	N/A
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 connector with two LED indicators
Audio	HDA interface, 5.1-channel Audio (Realtek ALC 662)
USB	Twelve USB 2.0 ports (Four USB ports via backplane)
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

DISPLAY

Graphic Controller	- GMCH integrated Intel® Graphics Media Accelerator (GMA) 4500 - Provided improved 3D multimedia capabilities including Microsoft DirectX 10, Shader Model 4.0, MPEG-2 and OpenGL 2.1
Graphic Memory	Intel® Dynamic Video Memory Technology (DVMT) 5.0 shares system memory up to1GB
Display Interface	Analog CRT: up to 2048 x 1536 @ 75Hz