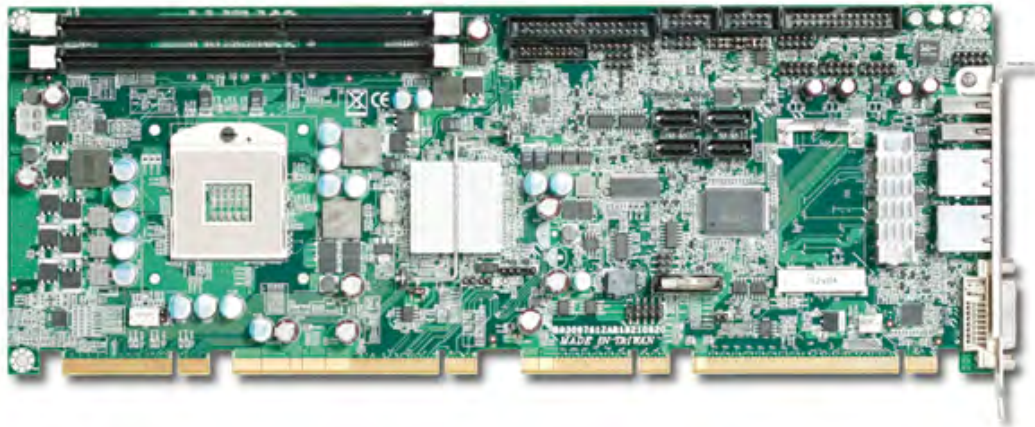




ROBO-8210VG2AR

Intel® Core™ i7/i5 processor based PICMG 1.3 SHB with DDR3 SDRAM, DVI-I, Dual Gigabit Ethernet, Audio and USB



FEATURES

- Support Intel® i7-620M/i5-520M/P4500 processors in rPGA988 package
- Delivers up to 8GB maximum DDR3 1066/800 on two sockets
- Support dual display by DVI-I port on bracket
- Support iAMT 6.0 and external TPM via TPM module
- 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-8210VG2AR PICMG 1.3(PCI-E+PCI), Intel Core i7/i5 PGA type processors. SHB. w/DVI-I/Dual GbE/Audio/USB
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

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GENERAL

Processor	CPU & Package: Intel® Core™ i7-620M/i5-520M/P4500 processor in rPGA988 socket
Chipset/Core Logic	Intel® QM57
System Memory	Up to 8GB DDR3 1066/800 SDRAM on two 240-pin DIMM sockets
BIOS	AMI EFI 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	One Mini-PCIe socket
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 sec.
Expansion Interface	One PCIE x 16, Two PCIE x 8, Four PCI devices
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	N/A
Dimension	Dimension: 338.5(L) x 126.39(W) / 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	HAD 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	- Intel® Core™ i7/i5 processors integrated Gen 5.75 graphic engine - 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 to 1GB
Display Interface	Analog CRT: up to 2048 x 1536 @ 75Hz DVI-D: up to 1920 x 1200 @ 60Hz



American Portwell
 Fremont CA Tel: +1-510-403-3399
 Norcross GA Tel: +1-678-969-9808
 E-mail: info@portwell.com
 http://www.portwell.com