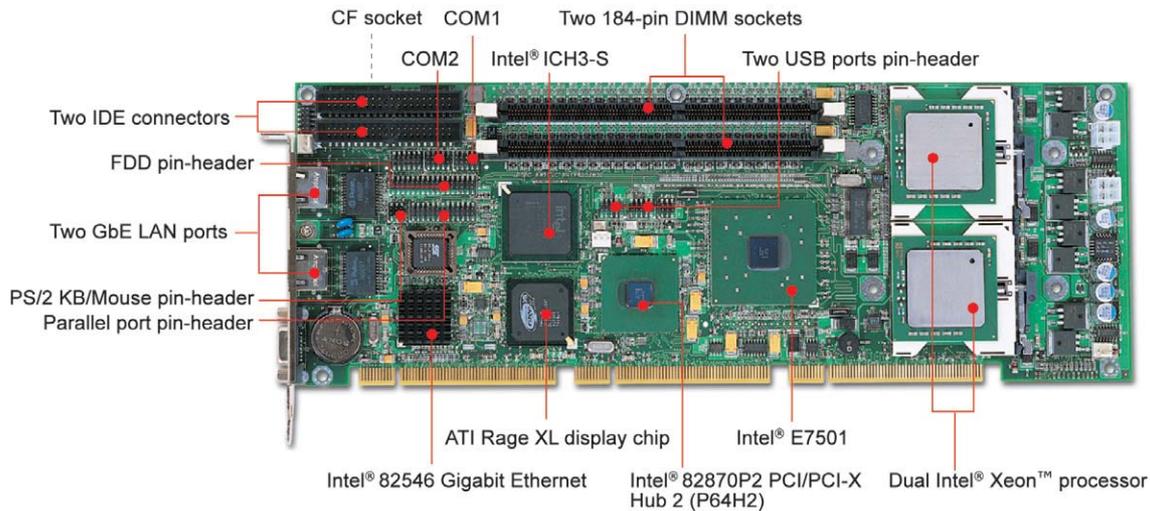


# ROBO-8820VG2

Dual Intel® Xeon™ processor based  
PICMG 1.2 (ePCI-X) SHB with VGA and  
Dual Gigabit Ethernet



## FEATURES

- Intel® E7501 chipset for optimizing system bus, memory and I/O bandwidth to deliver enhanced performance and scalability
- Dual PICMG 1.2 compliant PCI-X bus for higher expandability
- Intel® 82546 dual port Gigabit Ethernet controller for the best network throughput
- Reliable design for high processing performance dual Intel® Xeon™ processor
- High speed mainstream DDR SDRAM memory
- ECC function for data sensitive application
- ATI Rage XL graphics chip with 8MB memory provides the best 2D and 3D performance in entry-level class
- Rich expansion capability through proprietary HL expansion connector

## ORDERING GUIDE

<b>Standard</b>	<p><b>ROBO-8820VG2</b> Dual Xeon™ processor based PICMG 1.2 SHB with VGA and dual Gigabit Ethernet</p> <p><b>ROBO-8820VG2H</b> Dual Xeon™ processor based PICMG 1.2 SHB with VGA, dual Gigabit Ethernet and proprietary Hub Link connector</p> <p><b>ROBO-8820VF2</b> Dual Xeon™ processor based PICMG 1.2 SHB with VGA and dual Fiber Gigabit Ethernet</p> <p><b>ROBO-8820VF2H</b> Dual Xeon™ processor based PICMG 1.2 SHB with VGA, dual Fiber Gigabit Ethernet and proprietary Hub Link connector</p>
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## GENERAL

CPU	CPU & Package: Intel® Xeon™/ LV Xeon™ processor (Single or Dual processor) in 604-pin & 603-pin PPGA package FSB: 533/400MHz
Chipset	Intel® E7501 and ICH3-S
Memory	- Up to 4GB DDR 266/200 SDRAM on two 184-pin DIMM sockets - Support ECC, registered
BIOS	Award BIOS
Display	- ATI Rage XL PCI VGA graphics controller * 8MB display memory * Display resolution up to 1600x1200 @ 85Hz * High 2D and 3D performance * D-sub 15-pin VGA connector on the bracket
Ethernet	- Intel® 82546 PCI-X dual port Gigabit Ethernet controller - Two RJ-45 connectors with two LED indicators for LAN access and link status
Audio	N/A
SCSI	N/A
Expansion Interface	- Two independent PCI-X buses - Proprietary Hub Link expansion connector for up to 4 PCI-X buses expansion
ISA Bus	N/A
EIDE	Support four EIDE devices with Ultra DMA 100/66/33
Solid State Disk	- One Type II CF socket - On secondary EIDE channel - Bootable for no drives on primary channel
I/O	- On-board Winbond W83627HF super I/O - Up to two floppy disk drives - Two serial, one parallel and four USB 1.1 ports - One 6-pin header for keyboard and mouse through PA-11KUC
ACPI Function	- ATX power supply control via backplane - Modem-Ring-On and Wake-On-LAN
Hardware Monitoring	System monitor (fan, temperature, voltage)
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Power Requirement	Typical: +5V@3.1A; +12V(CPU)@6.5A; +12V(System)@1.2A; +3.3V@2.9A
Mechanical	Dimension : 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 12-layer
Environment	Operating Temperature: 0 to 50°C Storage Temperature: -40 to 75°C Relative Humidity: 5% to 90%, non-condensing
Approval	CE, FCC Class A
MTBF	142,578 hrs