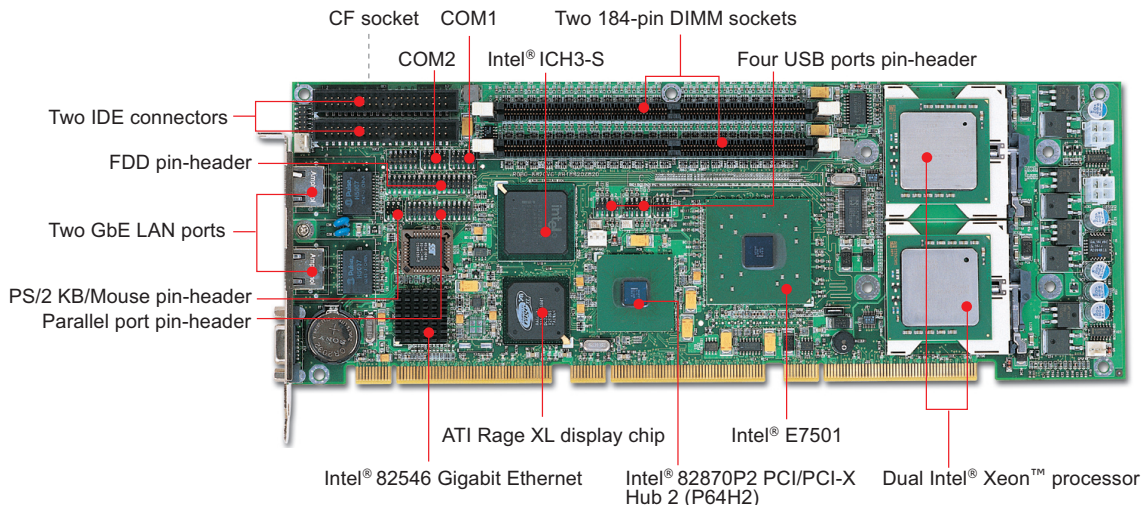


ROBO-8820VG2

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 with dual Intel® Xeon® processor
- High speed DDR ECC registered SDRAM memory for data sensitive application
- ATI Rage XL graphics chip with 8MB memory provides the best 2D and 3D performance in server-level class
- Rich expansion capability through proprietary HL expansion connector

ORDERING GUIDE

Standard

ROBO-8820VG2

Dual Xeon™ processor based PICMG 1.2 SHB with VGA and dual Gigabit Ethernet

ROBO-8820VG2H

Dual Xeon™ processor based PICMG 1.2 SHB with VGA, dual Gigabit Ethernet and proprietary Hub Link connector

GENERAL

Processor	CPU & Package: Intel® Xeon®/ LV Xeon® processor (Single or Dual processor) in 604-pin & 603-pin PPGA package FSB: 533/400MHz
Chipset/Core Logic	Intel® E7501 and ICH3-S
System Memory	- Up to 4GB DDR 266/200 SDRAM on two 184-pin DIMM sockets - Support ECC, registered
BIOS	Award BIOS
Storage Devices	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
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	- Two independent PCI-X buses - Proprietary Hub Link expansion connector for up to 4 PCI-X buses expansion
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@3.1A; +12V(CPU)@6.5A; +12V(System)@1.2A; +3.3V@2.9A
Dimension	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: -20 to 75°C Relative Humidity: 5% to 90%, non-condensing
MTBF	142,578 hrs

I/O

MIO	Two serial (selectable RS232/422/485 x1), one parallel, one FDD channel
IrDA	N/A
Ethernet	- Support teaming function - Intel® 82546 PCI-X dual port Gigabit Ethernet controller - Two RJ-45 connectors with two LED indicators for LAN access and link status
USB	Four USB 1.1 ports
Keyboard & Mouse	One 6-pin header for keyboard and mouse through PA-I1KUC

DISPLAY

Graphic Controller	ATI Rage XL PCI VGA graphics controller
Graphic Memory	8MB display memory
Display Interface	Display resolution up to 1600 x 1200 @85Hz refresh