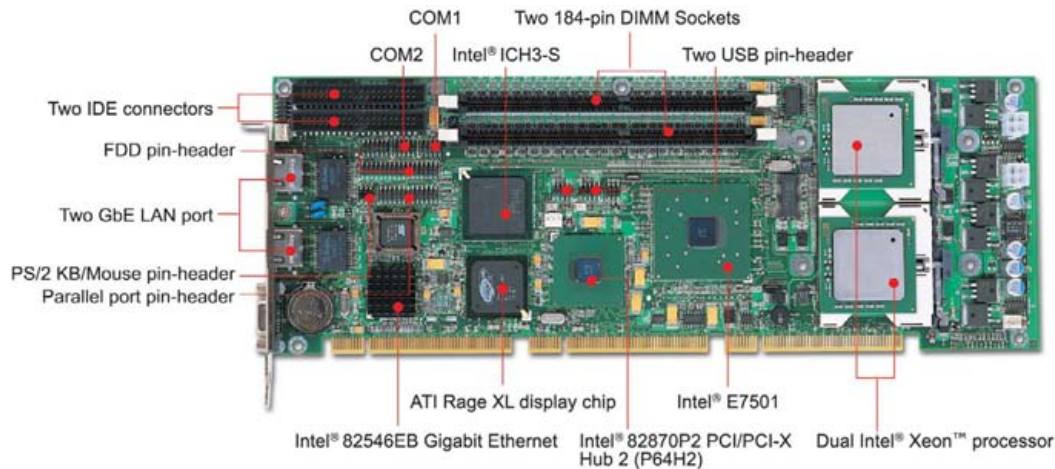


ROBO-8820VG2

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



FEATURE

- Reliable design for high processing performance dual Intel® Xeon™ processor
- Intel® E7501 chipset for optimizing system bus, memory and I/O bandwidth to deliver enhanced performance and scalability
- 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
- Intel® 82546EB, dual Gigabit Ethernet port controller for the best network throughput
- Dual PICMG 1.2 compliant PCI-X bus for higher expandability
- Rich expansion capability through proprietary HL expansion connector

General

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|----------------------------|---|
| CPU | CPU & Package: Intel® Xeon™ processor (Single or Dual processor) 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® 82546EB PCI-X dual port Gigabit Ethernet controller - Two RJ-45 connector 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 | +5V@3.1A; +12V(CPU)@6.5A; +12V(System)@1.2A; +3.3V@2.9A (typ.) |
| Mechanical | Dimension : 338.5(L) x 122(W) / 13.33"(L) x 4.8" (W) PCB: 12-layer |
| Environmental | Operating Temperature: 0 to 60°C Storage Temperature: -40 to 75°C Relative Humidity: 5% to 90%, non-condensing |
| Approval | CE, FCC Class A |
| MTBF | 142,578 hrs |

Ordering Information

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|-----------------|---|
| 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 |
| | ROBO-8820VF2 Dual Xeon™ processor based PICMG 1.2 SHB with VGA and dual Fiber Gigabit Ethernet |
| | ROBO-8820VF2H Dual Xeon™ processor based PICMG 1.2 SHB with VGA, dual Fiber Gigabit Ethernet and proprietary Hub Link connector |