

Highlight

- Dual Intel Xeon processor with 400/533 MHz PSB
- Intel E7501 chipset w/ ECC support
- 200/266 MHz DDR SDRAM up to 4 GB
- ATI Rage XL VGA with 8 MB display memory
- On-board dual Gigabit Ethernet interfaces

**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 8 MB memory provides the best 2D and 3D performance in entry-level class
- Dual Intel 82546EB Gigabit Ethernet interfaces for the best network throughput
- Dual PICMG 1.2 compliant PCI-X buses for higher expandability
- Rich expansion capability through proprietary HL expansion connector

Additional Functionality**Display**

- ATI RageXL PCI VGA graphics controller
- 8 MB display memory
- Display resolution up to 1600 x 1200 @ 85 Hz
- DSUB-15 VGA connector on the bracket
- High 2D and 3D performance

Ethernet

- Intel 82546EB PCI-X Gigabit Ethernet controller
- Two RJ-45 connectors with two LED indicators for LAN access and link status

Solid State Disk

- One Type 1 CF socket for up to 1 GB
- One secondary channel
- Bootable for no drives on primary channel

Ordering Guide**ROBO8820VG2**

Dual Xeon processor based PICMG 1.2 SBC with VGA and dual Gigabit Ethernet interfaces

Accessory

PA-11KUC

PBP-06V564

General**CPU**

- Intel Xeon processor
- Single or dual processors

System Bus Frequency

400/533 MHz

Chipset

- Intel E7501, ICH3-S
- Intel 82546EB

Memory

- Up to 4 GB 2.5V 200/266 MHz DDR SDRAM on two 184-pin DIMM sockets
- ECC support

L2 Cache Memory

Built-in CPU (512 KB)

BIOS

Award BIOS

On-Board I/O

- On-board Winbond W83627HF super I/O
- Support for four EIDE devices with Ultra DMA/100
- Up to two floppy disk drives
- Two serial, one parallel, one IrDA and four USB ports

Watchdog Timer

Programmable via software from 0.5 sec. to 254.5 min.

Keyboard/Mouse

One 6-pin header for keyboard and mouse through PA-11KUC

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)

ACPI Function

- ATX power supply control via backplane
- Modem-Ring-On and Wake-On-LAN

Power Consumption

TBD

Approval

FCC, CE class A

Dimension

- 338.5(L) x 122(W) mm
- 13.33"(L) x 4.8"(W)
- 12-layer PCB

Operating Temperature

0 to 60 °C

Storage Temperature

-40 to 75 °C

Relative Humidity

5% to 95%, non-condensing