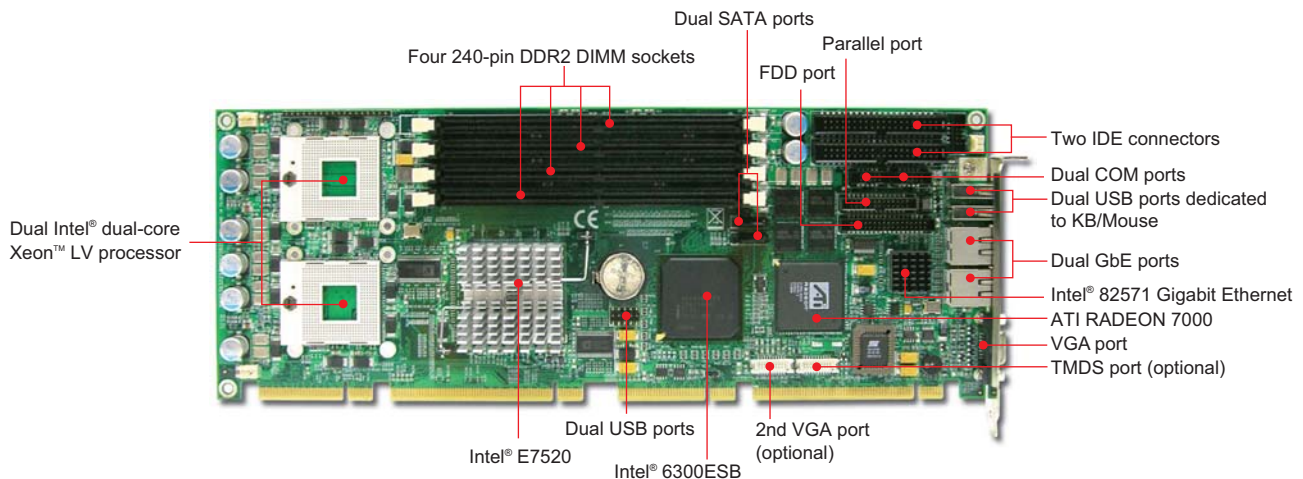


ROBO-8920VG2

Dual-Core Intel® Xeon® processor LV 2.0 GHz based PICMG 1.3 SHB with DDR2 ECC SDRAM, VGA & Dual Gigabit Ethernet



FEATURES

- Extreme power saving with Dual-Core Intel® Xeon® processor LV that only generates 31W and reliability increased with separated small cooler
- Rich & powerful I/O expansion that covers dual PCI Express x8, one PCI Express x4 and four PCI devices
- Up to 8GB, ECC registered memory assured the computer reliability and benefited the data swapping process
- Dual PCI Express x4 based Gigabit Ethernet supports IPv4, IPv6 offloading, VLAN, teaming & Wake-On-LAN functions
- Relative high performance graphic engine, ATI RADEON 7000 provides solid 2D/3D/video acceleration among server market
- Dual on-board SATA port and dual EIDE channel cover transition of high speed storage drivers

ORDERING GUIDE

Standard	ROBO-8920VG2 Dual Xeon® LV processor based PICMG 1.3 SHB with VGA and Dual Gigabit Ethernet
Optional	PS/2 Keyboard/Mouse with Bracket PS/2 keyboard/mouse connectors on bracket

GENERAL

Processor	CPU & Package: Dual-Core Intel® Xeon® processor LV 2.0 GHz (single or dual processor) in mFCPGA package FSB: 667MHz
Chipset/Core Logic	Intel® E7520 and 6300ESB
System Memory	- Up to 8GB DDR2 400 SDRAM on four 240-pin DIMM sockets - Support ECC, registered
BIOS	Award BIOS
Storage Devices	EIDE: Support dual EIDE channel with Ultra DMA 100/66/33 SATA: Support dual SATA 150 drive
Solid State Disk	- One type II CF socket; On Primary EIDE channel - Bootable for embedded application
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	- One PCI Express x8 - Three PCI Express x4 - Four PCI devices
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@3.6A; +12V@3.4A
Dimension	Dimension : 338.6(L) x 126.39(W) mm; 13.33"(L) x 4.98" (W) PCB: 12-layer
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	90,945 hrs

I/O

MIO	Two serial (RS232), one parallel, one FDD channel
IrDA	N/A
Ethernet	PCI Express x4 interface based Intel® 82571 dual Gigabit Ethernet controller
Audio	N/A
USB	Four USB 2.0 ports
Keyboard & Mouse	Dual USB port on bracket dedicated to keyboard & mouse

DISPLAY

Graphic Controller	ATI RADEON 7000
Graphic Memory	32MB DDR Memory (up to 64MB based on project)
Display Interface	Support CRT and optional second CRT & TMDS (DVI) display interfaces