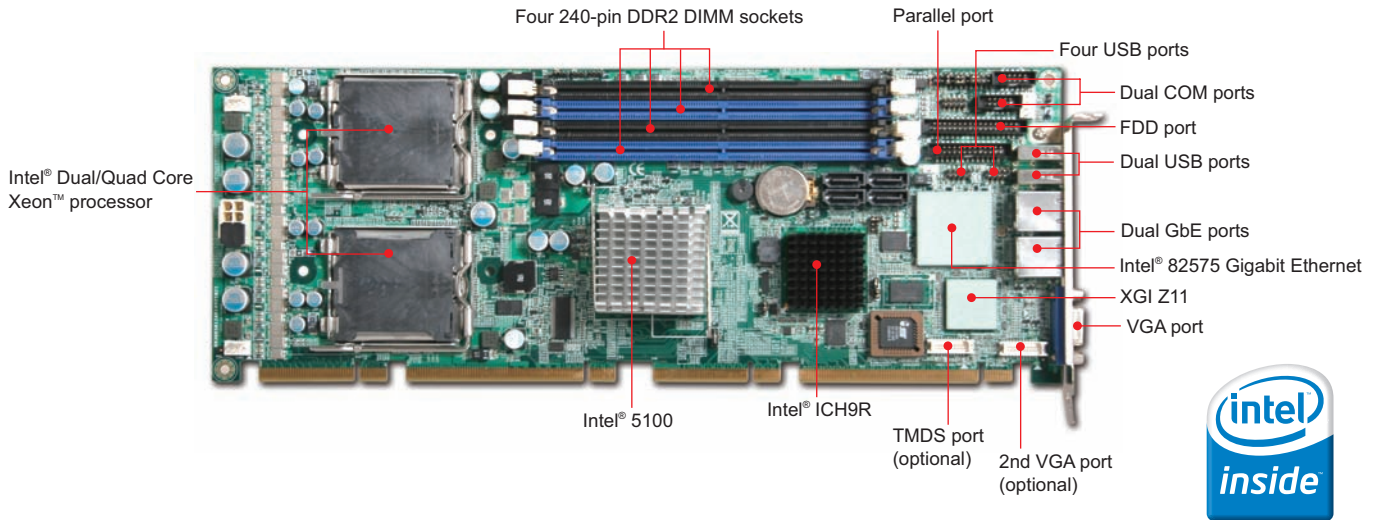


ROBO-8921VG2R

Dual/Quad Core™ Xeon® processor based
PICMG 1.3 SHB with DDR2 ECC SDRAM,
VGA & Dual Gigabit Ethernet



FEATURES

- ROBO-8921 offers flexible 1333/1066 MHz selection of Intel® Dual/Quad Core™ Xeon® processors with LGA771 package
- Flexible design of dual PCI Express x8 could be aggregated as one PCI Express x16 for Graphic card
- Rich & powerful I/O expansion covers dual PCI Express x8, one PCI Express x4 and four PCI devices
- Up to 32GB, ECC registered memory assured the computer reliability and benefited the data swapping process
- Relative high performance graphic engine, XGI Z11 provides solid 2D for server grade market
- Dual PCI Express x4 based Gigabit Ethernet supports IPv4, IPv6 offloading, VLAN, Wake-On-LAN functions

ORDERING GUIDE

Standard	ROBO-8921VG2R Dual Xeon® LV processor based PICMG 1.3 SHB with VGA and Dual Gigabit Ethernet (CPU Cooler included)
Optional	PS/2 Keyboard/Mouse with Bracket PS/2 keyboard/mouse connectors on bracket

GENERAL

Processor	CPU & Package: Dual/Quad Core™ Intel® Xeon® processor (single or dual processor) in LGA-771 package FSB: 1333/1066MHz
Chipset/Core Logic	Intel® 5100 and ICH9R
System Memory	- Up to 32GB DDR2 533/667 SDRAM on four 240-pin DIMM sockets - Support ECC, registered
BIOS	AMI BIOS
Storage Devices	EIDE: N/A SATA: Support Six SATA 300 drives (dual SATA ports via Backplane) (RAID 0, 1, 5, 10)
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 sec.
Expansion Interface	- One PCI Express x8 - Three PCI Express x4 - Four PCI devices
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@7.01A; +12V@3.74A
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 (for 80W CPU limitation) Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	106,427 hrs

I/O

MIO	Two serial (RS232 x1, selectable RS232/485 x1), one parallel, one FDD channel
IrDA	N/A
Ethernet	PCI Express x4 interface based Intel® 82575 dual Gigabit Ethernet controller
Audio	N/A
USB	Ten USB 2.0 ports (Four through backplane)
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

DISPLAY

Graphic Controller	XGI Z11
Graphic Memory	32MB DDR2 Memory
Display Interface	Support CRT and optional second CRT or DVI-D display interfaces