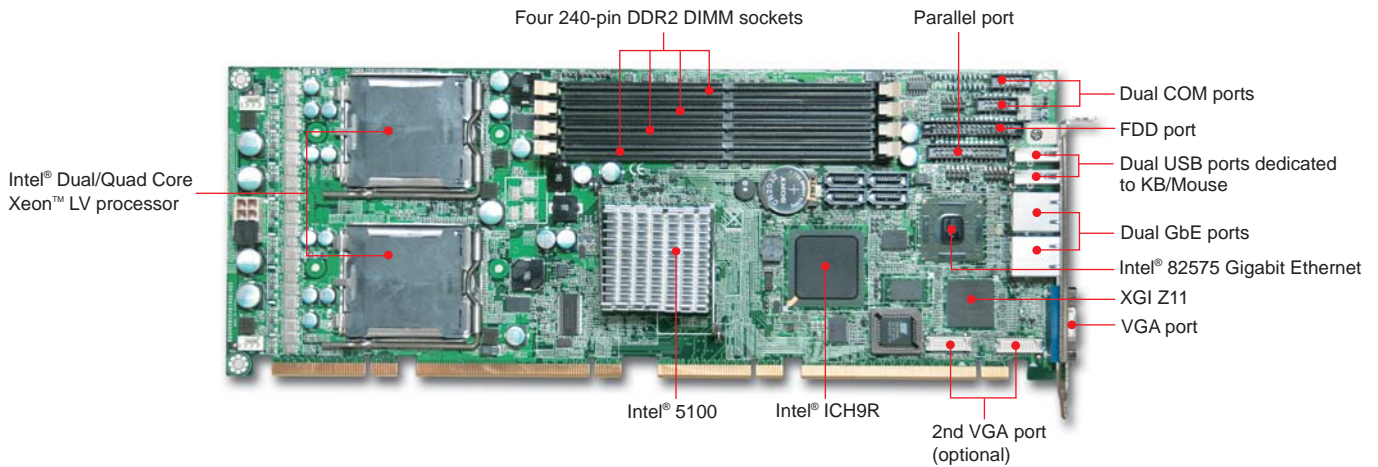# ROBO-8921VG2R

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

Four 240-pin DDR2 DIMM sockets
Parallel port
Dual COM ports
FDD port
Dual USB ports dedicated to KB/Mouse
Dual GbE ports
Intel® 82575 Gigabit Ethernet
XGI Z11
VGA port
Intel® Dual/Quad Core Xeon™ LV processor
Intel® 5100
Intel® ICH9R
2nd VGA port (optional)

FEATURES

- ROBO-8921 offers flexible 1333/1066 MHz selection of Intel Dual/Quad Core™ Xeon® LV processors with LGA771 package

- Rich & Powerful I/O expansion covers dual PCI Express x8, one PCI Express x4 and four PCI devices

- Up to 32GB, ECC registed memory assured the computer reliability and benefited the data swapping process

- Dual PCI Express x4 based Gigabit Ethernet supports IPv4, IPv6 offloading, VLAN, Wake-on-LAN functions

- Relative high performace graphic engine, XGI Z11 provides solid 2D for server grade market

- Flexible design of dual PCI Express x8 could be aggregated as one PCI Express x16 for Graphic card

GENERAL

Processor	CPU & Package: Dual/Quad Core™ Xeon® LV processor (signal 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 drive (dual SATA ports via Backplane)
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	-Two PCI Express x8 -One PCI Express x4 -Four PCI devices
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	N/A
Dimension	Dimension: 338.5(L) x 122(W) mm ; 13.33"(L) x 4.8"(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	N/A

ORDERING GUIDE

Standard	ROBO-8921VG2R 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

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 display interfaces

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