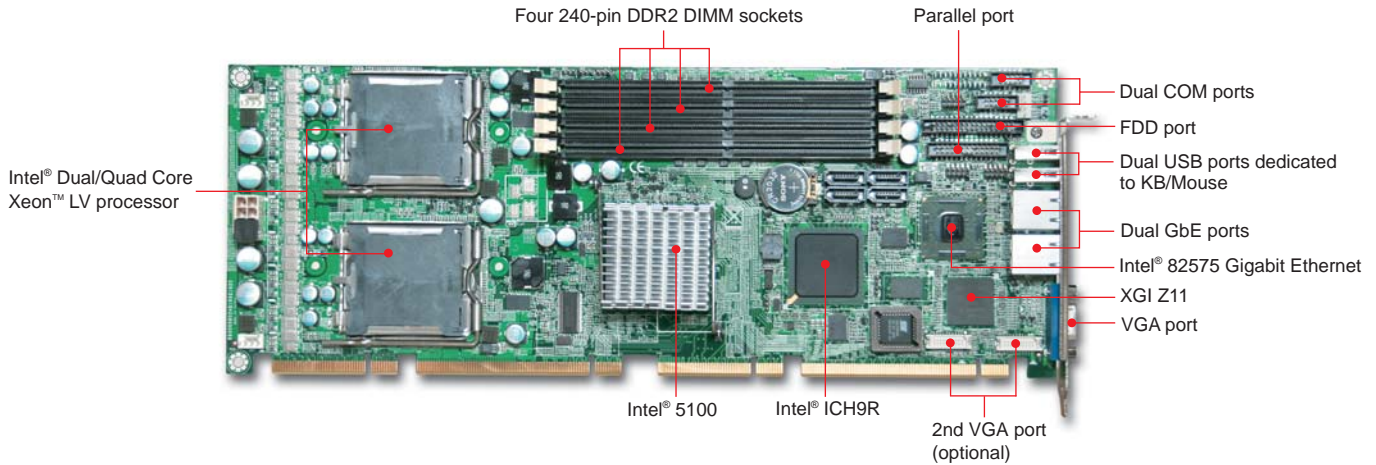




# ROBO-8921VG2R

Dual/Quad Core Xeon® LV 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® 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 registered 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 performance 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<br>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<br>-Support ECC, registered                              |
| BIOS                | AMI BIOS   |
| Storage Devices     | EIDE: N/A<br>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<br>-One PCI Express x4<br>-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)<br>PCB: 12-layer   |
| Environment         | Operating Temperature: 0 to 60°C<br>Storage Temperature: -20 to 80°C<br>Relative Humidity: 5% to 90%, non-condensing |
| MTBF                | N/A  |

## ORDERING GUIDE

|                 |   |
|-----------------|---|
| <b>Standard</b> | ROBO-8921VG2R<br>Dual Xeon® LV processor based PICMG 1.3 SHB with VGA and Dual Gigabit Ethernet |
| <b>Optional</b> | PS/2 Keyboard/Mouse with Bracket<br>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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