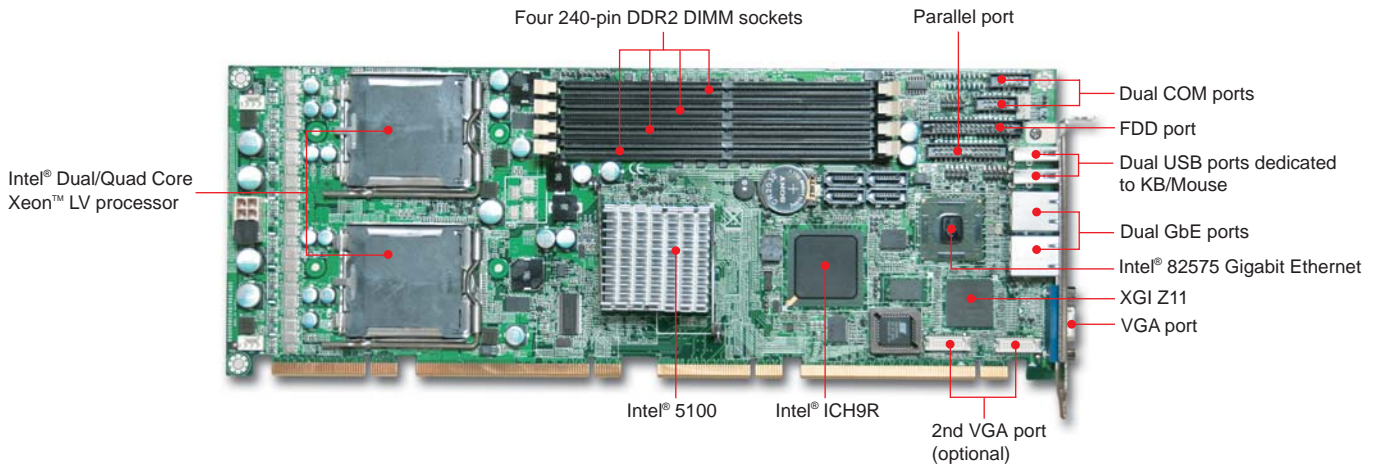


ROBO-8921VG2R

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 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	Typical: +5V@7.01A; +12V@3.74A
Dimension	Dimension: 338.6(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	71,830 hrs

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



Portwell, Inc. Headquarters

4F, No. 186, Jian-Yi Rd., Chung-Ho City,
235 Taipei, Taiwan
Tel: +886-2-77318888
Fax: +886-2-82271109
E-mail: info@portwell.com.tw
http://www.portwell.com.tw

American Portwell
Fremont Tel: +1-510-403-3399
Norcross Tel: +1-510-403-3399
E-mail: info@portwell.com
http://www.portwell.com

Portwell Japan, Inc.
Tokyo Tel: +81-3-5298-8071
Osaka Tel: +81-6-4791-2201
E-mail: info@portwell.co.jp
http://www.portwell.co.jp

Beijing Portwell
Beijing Tel: +86-10-82701616
Shanghai Tel: +86-21-3222-0505
Shenzhen Tel: +86-755-8621-7695
E-mail: info@portwell.com.cn
http://www.portwell.com.cn

Portwell-Laxsons India
Tel: +91-22-2685-9911
E-mail: info@portwelllaxsons.com
http://www.portwelllaxsons.com

Portwell, B.V.
Tel: +31-252-620790
E-mail: info@portwell.nl
http://www.portwell.nl

Portwell (UK) Ltd.
Tel: +44(0)1235-750760
E-mail: info@portwell.co.uk
http://www.portwell.co.uk



M080219