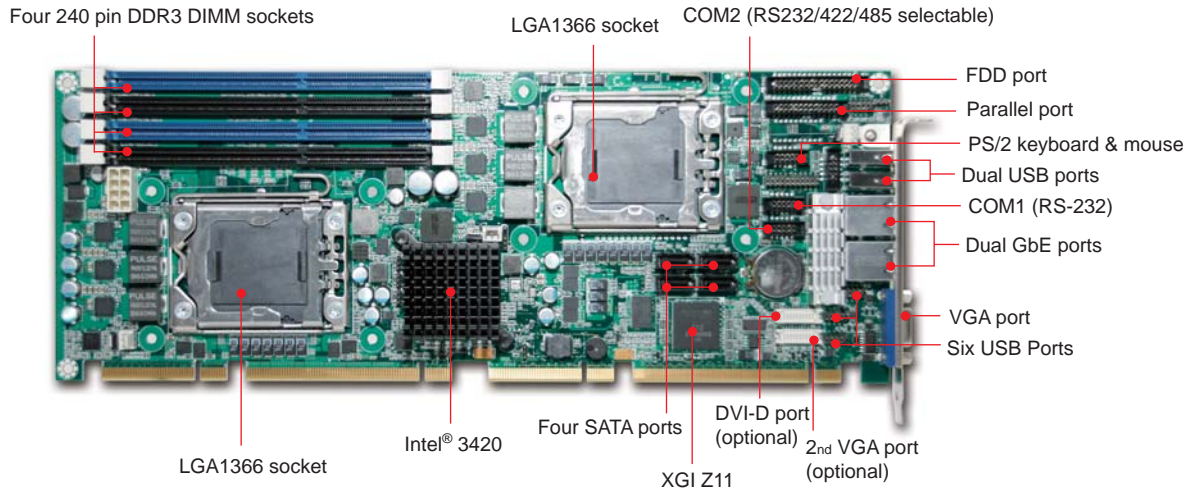




ROBO-8120VG2R

Intel® Dual/Quad Core™ Xeon® processor based PICMG 1.3 SHB with DDR3 ECC SDRAM, VGA, DVI, Dual Gigabit Ethernet and USB



FEATURES

- Support Intel® Dual/Quad Core™ Xeon® processors with LGA 1366 package
- Delivers up to 32GB DDR3 maximum ECC registered memory assured the computer reliability and benefited the data swapping process
- Adopt XGI Z11 graphic engine offers solid 2D performance
- Support VGA display on bracket and optional 2nd VGA or DVI-D interface
- Rich & powerful I/O expansion covers PCIe Gen 2.0 for one PCI Express x16 or two PCI Express x8 or four PCI Express x4
- High speed dual Gigabit Ethernet based on PCI Express x1 interface provides Wake-On-LAN function
- Rich I/O connections such as FDD, two Gigabit Ethernet, serial ports, parallel port, USB 2.0, and SATA ports

ORDERING GUIDE

Standard	ROBO-8120VG2R Intel® Dual/Quad Core™ Xeon® processor based PICMG 1.3 SHB with DDR3 ECC SDRAM, VGA, DVI, Dual Gigabit Ethernet and USB
Optional	PS/2 Keyboard/Mouse Cable with Bracket PS/2 keyboard/mouse connectors on bracket USB cable with bracket Two USB ports with bracket DVI-D+ VGA cable with bracket One port DVI-D + one port VGA cable with bracket

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GENERAL

Processor	CPU & Package: Intel® Dual/Quad Core™ Xeon® C5500/C3500 series processor in LGA-1366 package FSB: 1333/1066/800MHz
Chipset/Core Logic	Intel® 3420
System Memory	Up to 32GB DDR3 1333/1066/800 SDRAM on four 240-pin DIMM socket 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 PCIe x 16, Two PCIe x 8, Four PCIe x 4, Four PCI devices
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	N/A
Dimension	Dimension: 338.5(L) x 126.39(W) / 13.33"(L) x 4.98" (W) PCB: 12-layer
Environment	Operating Temperature: 0 to 55°C (for 85W CPU limitation) Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	N/A

I/O

MIO	Two serial (RS-232x1, selectable RS-232/422/485 x1), one parallel and one FDD channel
IrDA	N/A
Ethernet	-Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet -PCI Express x1 interface based Gigabit Ethernet -Dual RJ-45 connector with two LED indicators
Audio	N/A
USB	Twelve USB 2.0 ports (Four ports 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 on bracket and optional second CRT or DVI-D display interface



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