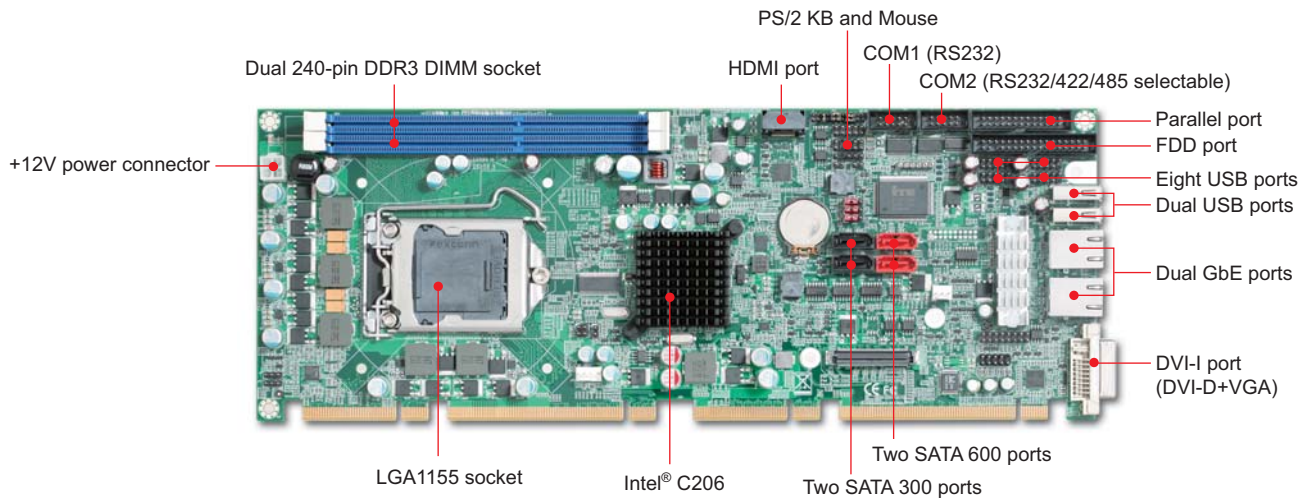


# ROBO-8110VG2AR

Intel® Core™ 2 Quad processor based  
PICMG 1.3 SHB with DDR3 SDRAM, VGA,  
Dual Gigabit Ethernet, Audio and USB



## FEATURES

- Support Intel® Xeon® and Core™ i7/i5/i3 processors in LGA 1155 package
- Delivers up to 16GB maximum DDR3 1333/1066 ECC SDRAM on two DIMM sockets
- Support multiple display by DVI-I (DVI-D + VGA) and HDMI
- Support iAMT 7.0 on Xeon® and Core™ i7/i5 processors
- High speed dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface
- Rich I/O connections such as FDD, two Gigabit Ethernet, serial ports, parallel port, USB 2.0
- On-board two SATA 300 and two SATA 600 ports support RAID 0,1,5,10

## ORDERING GUIDE

<b>Standard</b>	ROBO-8110VG2AR PICMG 1.3(PCI-E+PCI), Intel Xeon and Core i7/i5/i3 LGA1155 processors, SHB, w/DVI-I/ Dual GbE/Audio/USB
<b>Optional</b>	PA-M1AU Multimedia kit with audio and USB ports PS/2 Keyboard/Mouse Cable with Bracket PS/2 keyboard/mouse connectors on bracket USB cable with bracket Two USB ports with bracket

## GENERAL

Processor	CPU & Package: Intel® Xeon and Core™ i7/i5/i3 processor in LGA-1155 socket
Chipset/Core Logic	Intel® C206
System Memory	- Up to 16GB DDR3 1333/1066 SDRAM on two 240-pin DIMM sockets - Support ECC
BIOS	AMI UEFI BIOS
Storage Devices	EIDE: N/A SATA: Support two SATA 600 and four 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	N/A
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	N/A
Dimension	Dimension: 338.5(L) x 126.39(W) mm / 13.33"(L) x 4.98" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 55°C 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	HDA interface, 5.1-channel Audio (Realtek ALC 662)
USB	Fourteen USB 2.0 ports (Four USB ports via backplane)
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

## DISPLAY

Graphic Controller	- Intel® Xeon® and Core™ i7/i5/i3 processors integrated graphic engine - Provided improved 3D multimedia capabilities including Microsoft DirectX 10.1, Shader Model 4.0, MPEG-2 and OpenGL 3.0
Graphic Memory	Intel® Dynamic Video Memory Technology (DVMT) 5.0 shares system memory up to 1GB
Display Interface	Analog CRT: up to 2048 x 1536 @ 75Hz DVI-D: up to 1920 x 1200 @ 60Hz HDMI: up to 1920 x 1200 @ 60Hz