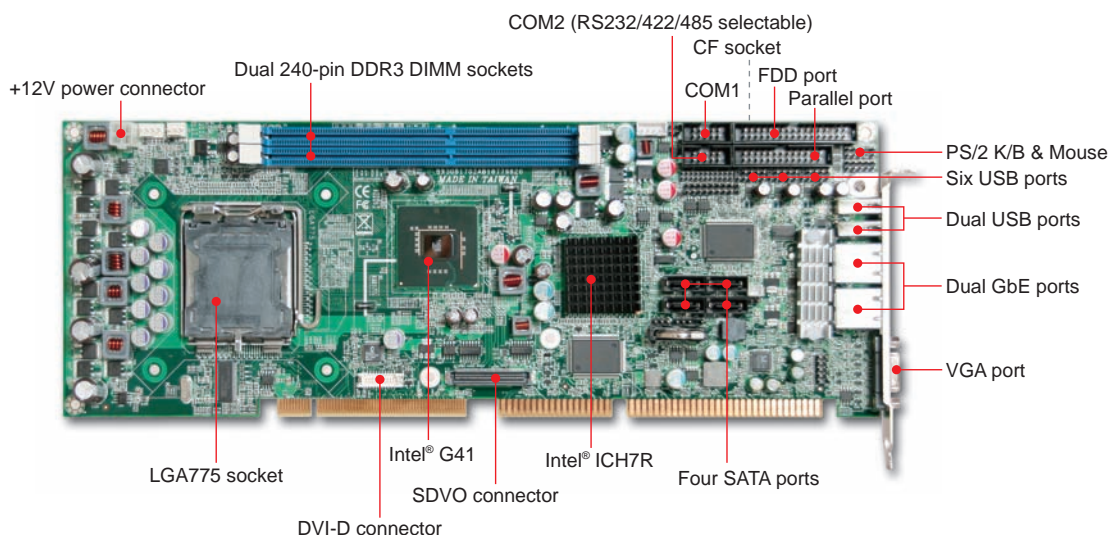




# ROBO-8779VG2AR

Intel® Core™ 2 Quad processor based  
PICMG 1.0 SBC with DDR3 SDRAM, VGA,  
DVI, Dual Gigabit Ethernet, Audio and USB



## FEATURES

- Support Intel® Core™ 2 Duo and Core™ 2 Quad processors and offers flexible 1333/1066/800Mhz FSB selection
- Delivers up to 4GB maximum DDR3 1066/800 on two long DIMM sockets
- Support Intel® G41 integrated GMA X4500 graphic engine delivers optimized 3D graphics performance
- Support dual display VGA and DVI-D interface, and SDVO connector for other types display by project
- High speed dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface
- Support one CF socket up to UDMA5 mode
- Rich I/O connections such as FDD, two Gigabit Ethernet, serial ports, parallel port, USB 2.0, and SATA ports

## ORDERING GUIDE

### Standard

#### ROBO-8779VG2AR

Intel® Core™ 2 Quad processor based PICMG 1.0 SBC with DDR3 SDRAM, VGA, DVI, Dual Gigabit Ethernet, Audio and USB

#### ROBO-8779VG2A

Intel® Core™ 2 Quad processor based PICMG 1.0 SBC with DDR3 SDRAM, VGA, DVI, Dual Gigabit Ethernet, Audio and USB

### Optional

#### 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

#### PA-G1D

DVI output card via board to board SDVO connector

#### Low Profile LGA775 Cooler

High efficiency slim cooler increases reliability of system

## GENERAL

Processor	CPU & Package: Intel® Core™ 2 Quad, Core™ 2 Duo, Celeron® processor in LGA-775 package FSB: 1333/1066/800MHz
Chipset/Core Logic	Intel® G41 and ICH7R
System Memory	Up to 4GB DDR3 1066/800 SDRAM on two 240-pin DIMM socket
BIOS	AMI BIOS
Storage Devices	EIDA: N/A SATA: Support four SATA 300 drives (RAID 0, 1, 5, 10) With RAID on ROBO-8779VG2AR, W/o RAID on ROBO-8779VG2A
Solid State Disk	One Type II CF socket (up to UDMA5 mode)
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 122(W) mm; 13.33"(L) x 4.8" (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 (RS232 x1, selectable RS232/422/485 x1), one parallel and one FDD channel
IrDA	N/A
Ethernet	- Dual 10 BASE-T/100 BASE-TX/1000 BASE-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 connectors with two LED indicators
Audio	HDA interface, 2-channel Audio (Realtek ALC 662)
USB	Eight USB 2.0 ports (Dual ports on bracket)
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

## DISPLAY

Graphic Controller	- GMCH integrated Intel® Graphics Media Accelerator (GMA) x4500 - Provided improved 3D multimedia capabilities including Microsoft DirectX 10, Shader Model 4.0 and OpenGL 2.0
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 DVI-D: up to 2048 x 1536