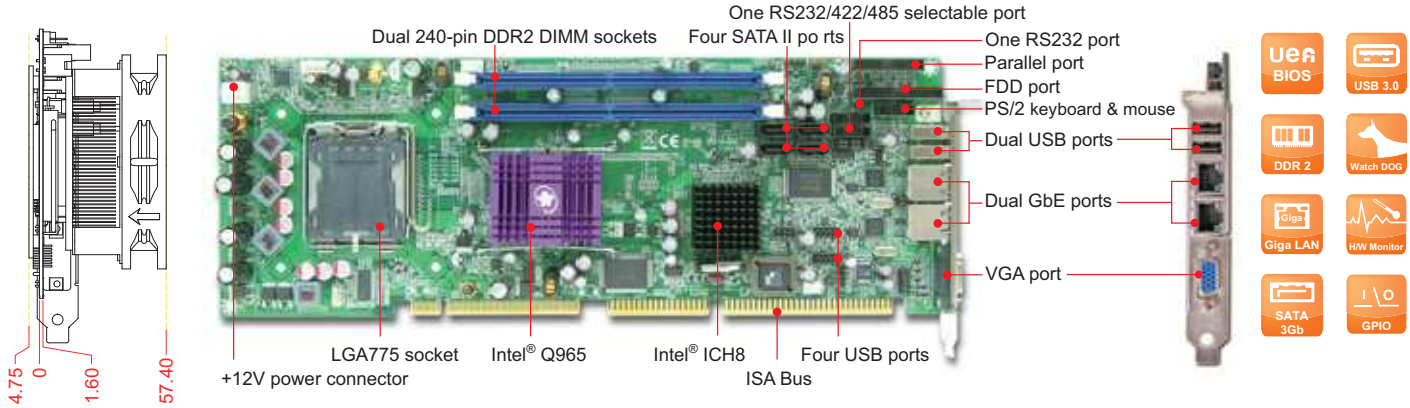


# ROBO-8777VG2A

Intel® Core™ 2 Duo processor based on PICMG SBC with DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB



ROBO-8777VG2A adopts the Intel® Q965, ICH8 chipset and Intel® Core™ 2 Duo technologies. It supports DDR2 memory and two Gigabit Ethernet. It's suitable for Digital Signage, Kiosk, and Multimedia applications.

## FEATURES

- Supports Intel® Core™ 2 Duo processor that generates a maximum 65W TDP. Lower TDP than socket 478 Pentium® 4 processor makes the vertical mount slot board more reliable
- Low profile processor cooler improves stability and reliability of whole system
- More features, such as EM64T, EIST, XD & VT, can be easily applied to system by changing processor
- Integrated Intel® GMA 3000 graphics engine built with high grade display capability
- Lockable cable-latched notches of SATA connector secure connection in vibration condition
- Supports ISA expansion

## ORDERING GUIDE

<b>AB1-3057</b>	<b>ROBO-8777VG2A</b> PICMG 1.0(PCI/ISA).Socket T.P4.SBC.w/ VGA/Dual GbE/Audio
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## PACKING LIST

Standard	
	B6900074 FDD Cable
	B6901990 SATA II cable
	B690003S Cable Assy 4F-4F
	B8981980 PICMG SBC Handling and Installation Notice
	B3751110 Installation CD
Optional	
	B7869400 One COM Port Cabel
	B6900643 PRN cable
	B6902000 dual serial port cable with bracket
	B6901090 USB cable
	B6902300 Audio cable with line in/out/Mic in
	B6902010 PS/2 Keyboard/Mouse Cable with bracket
	AB9-2066 PA-M1AU Multiple Media kit

## GENERAL

Processor	- Intel® Core™ 2 Duo/Pentium D/Pentium 4/Celeron® Processor up to 2.93G (35W~95W) with 512K~2MB L2 Cache in LGA775 package - FSB: 1066/800/533MHz - DMI x4 Link: 2.5 GT/s - Supports Intel® Virtualization Technology (VT-x)
Chipset	- Intel® Q965 Graphics and Memory Controller Hub (28W) - ICH8 (3.3W)
BIOS	Award BIOS
Memory	Supports up to 4GB DDR2 800/667/533 SDRAM on dual 240-pin DIMM sockets
Storage Devices	- 4x SATA II drivers - 1x FDD channel on board box header
Watchdog Timer	Programmable via S/W from 0.5 sec. to 254.5 sec.
Hardware Monitoring	System monitor (Voltage, Fan speed and Temperature)
Expansion Interface	- 4x PCI devices at 32-bit 33MHz

## I/O INTERFACE

Super I/O	Winbond W83627DHG
Audio	- 82Q965 built-in High Definition Audio up to 192-kHz 32-bit - Realtek ALC262-VC2 LQFP48 codec, 2 channels
Ethernet	- Intel® Realtek 8111B gigabit ethernet controller x2 - Dual RJ-45 connector with two LED indicators on bracket
Serial Port	- 1x RS232 on board box header - 1x Selectable RS232/422/485 on board box header
USB	- 6x USB 2.0 ports - 480 Mb/s bus comprehends the high-speed/full-speed/low-speed data ranges
Keyboard & Mouse	2x USB 2.0 ports on bracket dedicated to keyboard & mouse
GPIO	On board programmable 8-bit Digital I/Os
Others	1x parallel port on board box header

## DISPLAY

Graphic Controller	- GMCH integrated Intel Graphic Media Accelerator (GMA) 3000 - Provided improved 3D multimedia capabilities including Microsoft DirectX 9, Shader Model 3.0, OpenGL 1.5, Advanced De-interlacing, MPEG-2 hardware acceleration - Intel Dynamic Video Memory Technology (DVMT) 4.0 shares system memory up to 256MB
Display Interface	VGA on bracket: Resolution up to 2048x1536 @75Hz

## Mechanical & Environment

Dimension	- 338.5(L) x 122(W)mm; 13.33"(L) x 4.8"(W) - PCB: 6 layers
Power Supply	- Typical: +12V@1.3A; +5V@5.6A - Supports ATX mode
Environment	- Operation Temperature: 0~60 °C - Storage Temperature: -20~80 °C - Relative Humidity: 5~90%, non-condensing
MTBF	Over 90,000 hours at 40°C

