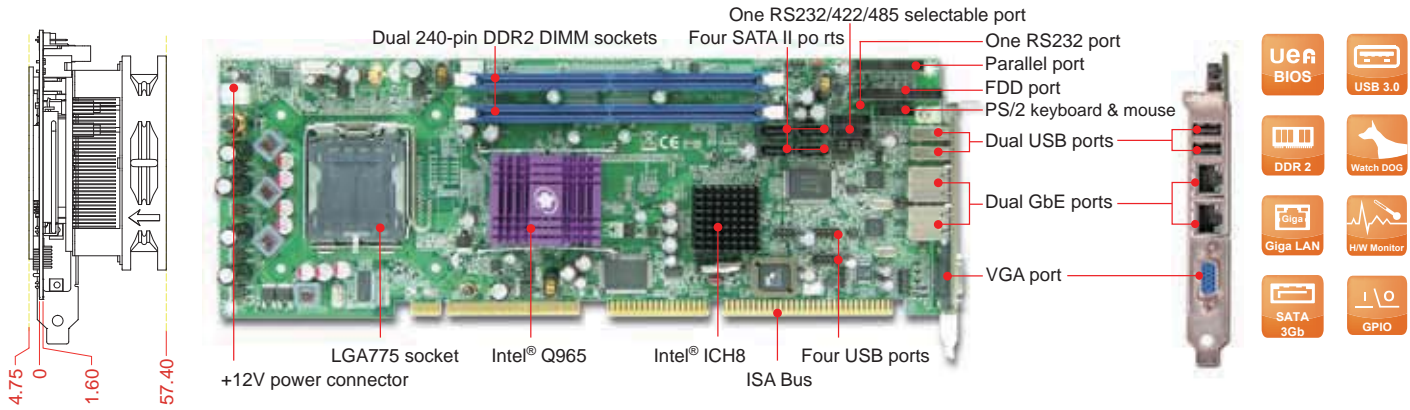


ROBO-8777VG2A

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

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

Standard	Optional
B6900074 FDD Cable	B7869400 One COM Port Cable
B6901990 SATA II cable	B6900643 PRN cable
B690003S Cable Assy 4F-4F	B6902000 dual serial port cable with bracket
B8981980 PICMG SBC Handling and Installation Notice	B6901090 USB cable
B3751110 Installation CD	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

