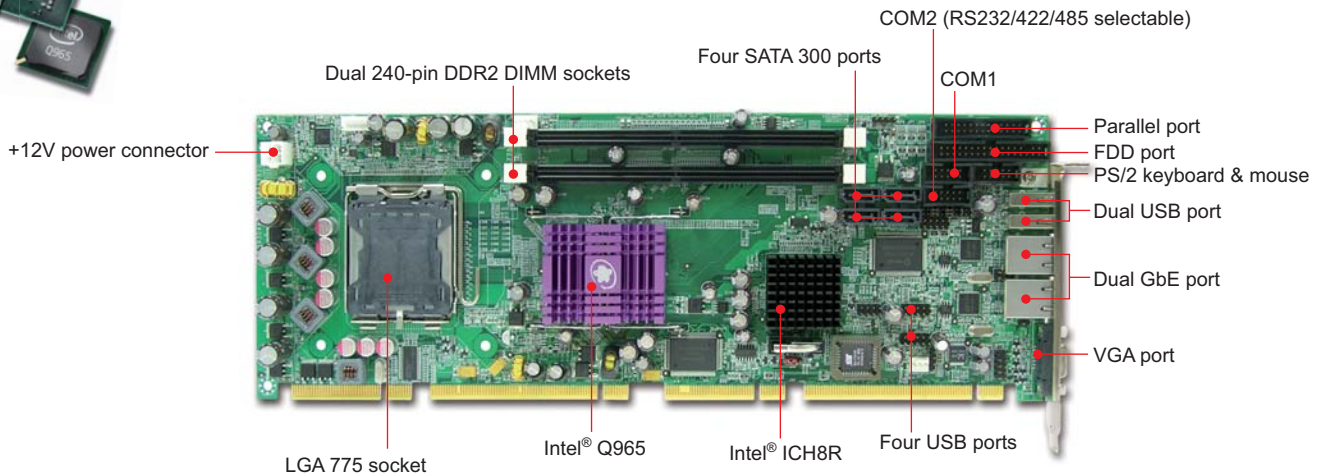


ROBO-8912VG2A

Intel® Core 2 Duo processor based PICMG 1.3 SHB with DDR2 SDRAM, VGA, Dual Gigabit Ethernet, Audio and USB



FEATURES

- Support Intel® Core 2 Duo processor that only generates up to 65W TDP. Lower TDP than socket 478 Pentium® 4 processor makes the vertical mount slot board more reliability
- Low profile processor improve 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 that built with high grade display capability
- Lockable cable latched notches of SATA connector that secure connection in vibration condition
- Embedded Intel® Active Management Technology (AMT) that remotely discover, heal and protect networked computing assets using third-party management & security applications
- System noise and heat are reduced through more intelligent fan speed control algorithms by integrated Intel Quiet System Technology
- Flexible design of four external PCI Express x1 could aggregate as one PCI Express x4 for storage device thru backplane

ORDERING GUIDE

Standard	ROBO-8912VG2A LGA-775 Core 2 Duo processor based PICMG 1.3 SHB with DDR2 SDRAM, VGA, 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 Low Profile LGA775 Cooler High efficiency slim cooler that increases reliability of system

GENERAL

Processor	CPU & Package: Intel® Core 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in the LGA-775 package FSB: 1066/800/533MHz
Chipset/Core Logic	Intel® Q965 and ICH8R
System Memory	Up to 4GB DDR2 800/667/533 SDRAM on dual 240-pin DIMM socket
BIOS	Award BIOS
Storage Devices	EIDE: N/A SATA: Support six SATA 300 drives (dual SATA ports via backplane)
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	Four PCI Express x1, one PCI Express x16 and four PCI
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	TBA
Dimension	Dimension: 338.5(L) x 122(W) mm ; 13.33"(L) x 4.8"(W) PCB: 6-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	TBA

I/O

MIO	Two serial (RS-232x1, selectable RS-232/422/485x1), one parallel and one FDD channel
IrDA	IrDA 1.0
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, 2-channel Audio
USB	Eight USB 2.0 ports (dual USB ports via backplane)
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to keyboard & mouse

DISPLAY

Graphic Controller	-GMCH integrated Intel® Graphics Media Accelerator 3000 -Provides improved 3D multimedia capabilities including DirectX 9, Shader Model 3.0, OpenGL 1.5, Advanced De-interlacing, MPEG-2 hardware acceleration
Graphic Memory	Intel® Dynamic Video Memory Technology (DVMT) 4.0 shares system memory up to 256MB
Display Interface	Support CRT interface up to QXGA 75Hz (2048x1536)