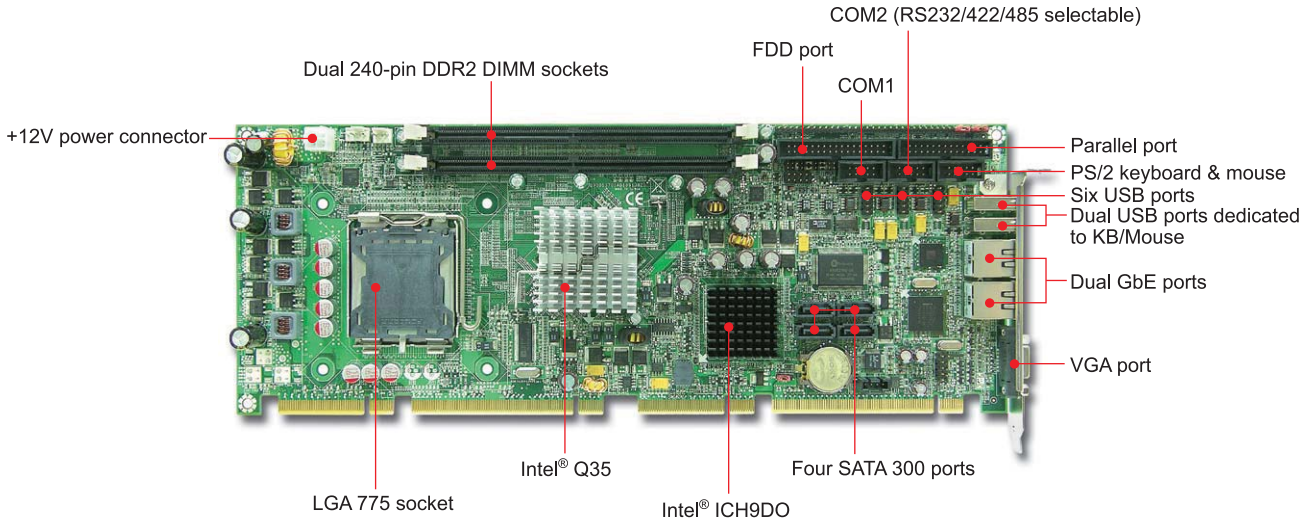
ROBO-8913VG2AR

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



FEATURES

- Support Intel® Core™ 2 Quad processor that generates Lower TDP than socket 775 Pentium ® 4 processor
- Low profile processor improves stability and reliability of whole system
- Support eSATA that can communicate with multiple driver via port multiplier
- Lockable cable-latched notches of SATA connector secure connection in vibration condition
- Embedded Intel® Active Management Technology (AMT) remotely discovers, heals and protects networked computing assets using third-party management and security applications
- System noise and heat are reduced through more intelligent fan speed control algorithms by integrated Intel® Quiet System Technology
- Flexiblie design of four external PCI Express x1 could aggregate as one PCI Express x4 for storage device thru backplane

ORDERING GUIDE

Standard	**ROBO-8913VG2AR** 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 Quad, Core™ 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in the LGA-775 package FSB: 1333/1066/800MHz
Chipset/Core Logic	Intel® Q35 & ICH9DO
System Memory	Up to 4GB DDR2 800/667 SDRAM on dual 240-pin DIMM sockets
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: 8-layer
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	TBA

I/O

MIO	Two serial (RS232 x1, selectable RS232/422/485 x1), one parallel and one FDD channel
IrDA	N/A
Ethernet	- Dual 10BAST-T/100BAST-TX/1000BAST-T Ethernet - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 connector with two LED indicators
Audio	HDA interface, 2-channel Audio
USB	Twelve 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	- 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)