ROBO-8773VG

Intel® Core™ 2 Duo processor based PICMG SBC with DDR SDRAM, VGA, Gigabit Ethernet and USB

Two 184-pin DIMM sockets
COM2
Two SATA ports
Two IDE connectors
COM1 (RS-232/422/485 selectable)
+12V power connector
Parallel port
FDD port
Two USB ports dedicated to KB/Mouse
GbE ports
6-pin mini-DIN connector for KB/Mouse
VGA port
LGA 775 socket
Intel® 865G
Intel® ICH5
Standalone Power Source
Six USB ports
ISA Bus
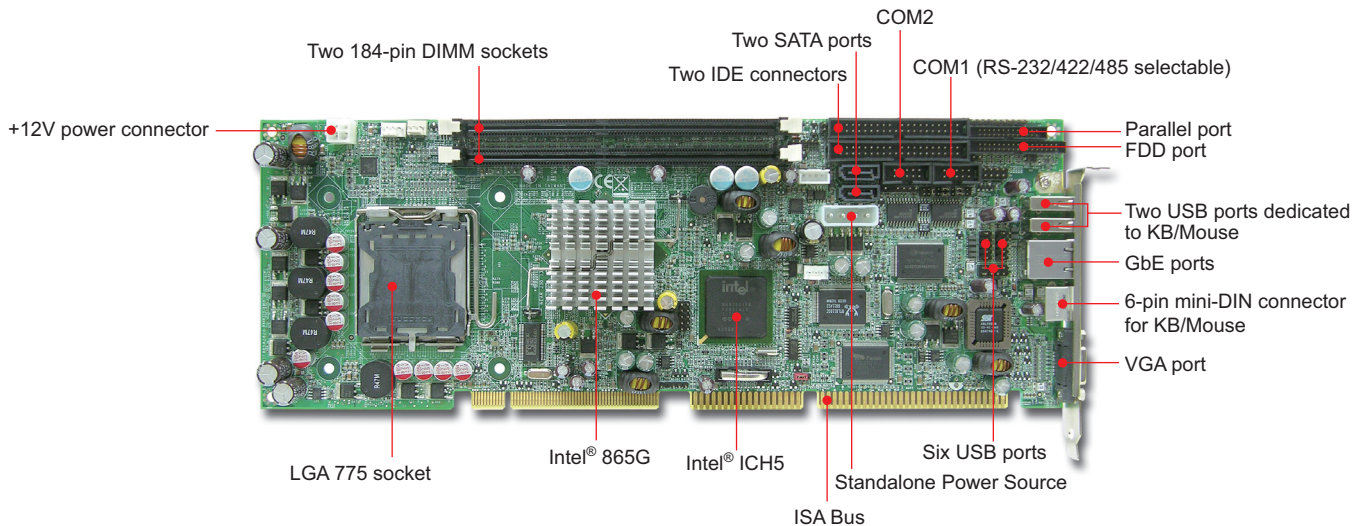
FEATURES

■ Extreme cost / performance PICMG 1.0 single board computer that support LGA 775 processor with Gigabit Ethernet controller

■ Verities I/O interface that includes dual IDE channel, dual SATA port, single FDD channel, dual serial and single parallel port

■ Over-clocking extended the board supports 2nd generation, lower power consumption / thermal profile Core 2 Duo processor

■ Integrated Intel® Extreme Graphics 2 graphics engine that offers adequate display quality via VGA interface

■ Single side design enhance reliability of production and simplify its process at the same time

■ Eight plug-and-play USB 2.0 ports allows enriched expansion of the system that build upon the board

■ Support ISA expansion

ORDERING GUIDE

Standard	**ROBO-8773VG2** LGA-775 processor based PICMG 1.0 SBC with DDR SDRAM, VGA, Gigabit Ethernet and USB
Optional	**USB Cable with bracket** Four USB ports with bracket
	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

"*****" Over-clocking

GENERAL

Processor	CPU & Package: Intel® Core™ 2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in LGA-775 package FSB: 1066*/800/533MHz
Chipset/Core Logic	Intel® 865G and ICH5
System Memory	Up to 2GB DDR 400/333/266 SDRAM on dual 184-pin DIMM socket
BIOS	Award BIOS
Storage Devices	EIDE: Support four EIDE devices with Ultra DMA 100/66/33 SATA: Support dual SATA 150 drives
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	N/A
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@0.8A; +12V@7.5A
Dimension	Dimension : 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 6-layer
Environment	Operating Temperature: 0 to 55ºC Storage Temperature: -20 to 80ºC 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	IrDA 1.0
Ethernet	- Single 10BASE-T/100BASE-TX/1000BASE-T Ethernet - PCI interface based Gigabit Ethernet - Single RJ-45 connector with two LED indicators
Audio	AC'97 interface reserved
USB	Eight USB 2.0 ports (Dual ports on bracket)
Keyboard & Mouse	One 6-pin mini-DIN connector for Keyboard & Mouse

DISPLAY

Graphic Controller	- GMCH integrated Intel® Extreme graphics 2 technology - High performance 3D setup & render engine and hardware motion compensation for MPEG2
Graphic Memory	Intel® Dynamic Video Memory Technology (DVMT) 2.0 system memory sharing up to 64MB
Display Interface	Support CRT interface up to QXGA 75Hz (2048 x 1536)