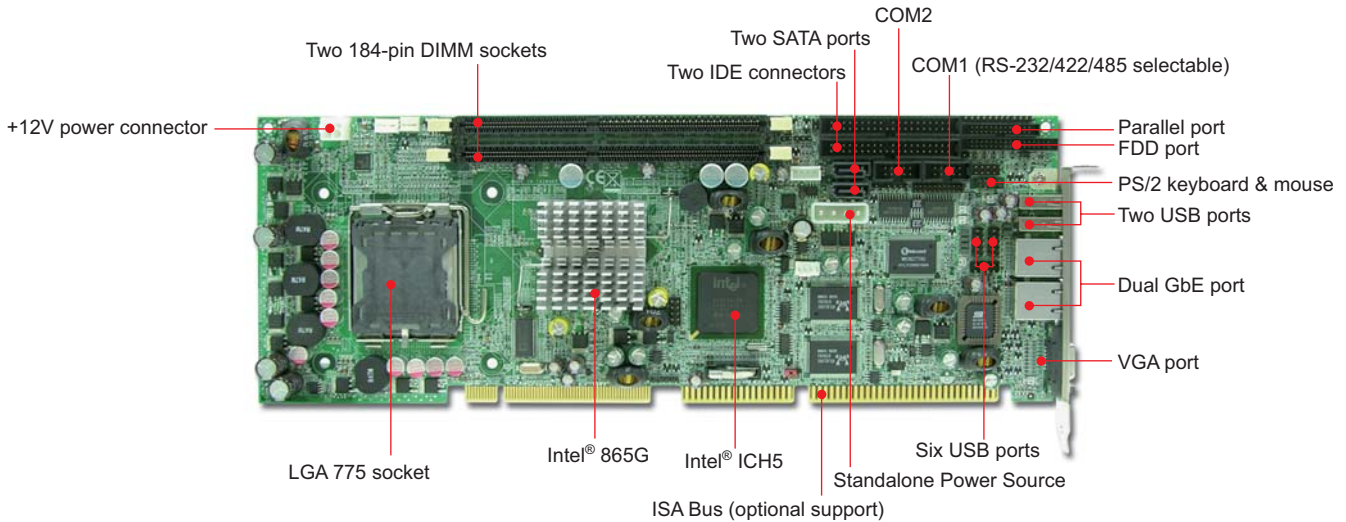


# ROBO-8713BVG2

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



## FEATURES

- Extreme cost / performance PICMG 1.0 single board computer that support LGA 775 processor with dual 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 (standard model without ISA support) 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

## ORDERING GUIDE

<b>Standard</b>	ROBO-8713BVG2 LGA-775 processor based PICMG 1.0 SBC with DDR SDRAM, VGA, Dual Gigabit Ethernet and USB
<b>Optional</b>	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

"\*" Represents to be "over-clocking"

## 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® 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 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 interface based Gigabit Ethernet -Dual RJ-45 connectors with two LED indicators
Audio	AC'97 interface reserved
USB	Eight USB 2.0 ports
Keyboard & Mouse	Two USB 2.0 ports on bracket dedicated to 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 shares system memory up to 64MB
Display Interface	Support CRT interface up to QXGA 75Hz (2048x1536)