

PEB-7603VG2A

Mini-ITX Board base on Intel® Core 2 Duo Processor
Marvell® 88E8053 and Intel® ICH-7M Chipset
Dual Display, Audio, Dual G-LAN, 8 x USB 2.0



FEATURES

- Intel® Core 2 Duo, Core Duo and Solo processors
- Dual Display by VGA & LVDS/VGA & DVI/LVDS & DVI
- Two 200-pin SODIMM support dual-channel
- Two Series ATA 300 ports
- Dual 10/100/1000Mbps Supported
- One CompactFlash Socket
- One PCI-E x1 and one PCI Slot

ORDERING GUIDE

Standard

PEB-7603VG2A

PEB-7603VG2A: Intel® Pentium® M / Celeron® M processors MainBoard with VGA, DVI, Audio, three GB LANs, 6 USB 2.0 ports

SYSTEM

CPU	Intel® Core 2 Duo, Core Duo and solo CPU 400, T2000, T1000, T5000, T7000
System Memory	2 x 200-pin SODIMM 667/533/400 SDRAM socket supports up to 4 GB
Chipset	Marvell® 88E8053 Intel® 945GME + ICH7M
FSB	FSB 667/533/400 MHz
Storage	1 x Parallel ATA IDE UDMA 33, ATA-66/100 support, 2 x Series ATA ports
I/O Chip	ITE IT8712F
Expansion	1 x PCI-E x1, 1 x 32-bit PCI slot
Form Factor/Weight	Mini-ITX form factor (17cm x 17cm) / 0.94 lbs (0.43 Kg)
Audio	Realtek ALC655 5.1CH audio codec
Audio Interface	Mic in, Line in, CD Audio in, Line out
Video	Intel® 945GME Integrated GMA 950 graphics, up to 224MB share memory Analog display: up to 2048 x 1536 @75Hz, LVDS: up to 2048 x 1536
VGA/LCD	DSUB-15 & DVI Connectors
LVDS/DVI	Dual channel 18-bit LVDS / Chrontel CH7307 DVI transmitter
LAN	Dual Marvell® Yukon-EC 88E8053 PCI Express™ Ethernet controllers IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant

I/O

MIO	2 x SATA, 1 x EIDE, 4 x RS-232, 1 x K/B, 1 x Mouse
IrDA / SSD	115k bps, IrDA 1.0 compliant / 1 x CompactFlash Type I/II socket
USB	4x USB 2.0 ports at Internal I/O, 4 x USB 2.0 ports at Back Panel

Mechanical

Power Requirement	20pin ATX
BIOS	Award BIOS with 4Mb Flash ROM
System Chipset	Intel® 945GME, ICH7-M
Watchdog Timer	Reset/IRQx; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	temperature, voltage, and cooling fan status. Auto throttling control
Operating Temperature	0~60°C (32~140°F) / 0%~90% relative humidity, noncondensing



American Portwell

44200 Christy Street,
Fremont, CA 94538, USA
Tel: +1-510-403-3399
Fax: +1-510-403-3184
E-mail: info@portwell.com
http: //www.portwell.com