

# PEB-7602VG2A

Mini-ITX Board base on Intel® Duo Core Conroe Processor  
Intel® Q965 GMCH Chipset, Dual-Channel DDR Memory  
VGA & DVI/VGA, Audio, G-LAN, 2 x USB 2.0



## FEATURES

- Support 65 nm Intel® Duo Core conroe Processors
- Built with Intel® Q965 GMCH Chipset
- Adopts Dual-Channel DDR Memory Architecture
- Dual View by VGA & DVI/VGA & LVDS/LVDS & DVI
- On-Board 5.1 CH Audio Capability
- Dual 10/100/1000Mbps Supported
- One PCI Express Slot Reserved for Expansion
- Up to Two COM and Eight USB 2.0 Ports

## ORDERING GUIDE

<b>Standard</b>	<p><b>PEB-7602VG2A</b> PEB-7602VG2A: Intel® LGA775 Pentium® 4 / Celeron D processors Main Board with VGA, 5.1 CH Audio, Dual Gigabit LAN, 8 USB 2.0</p> <p><b>PEB-7602VG2AR</b> PEB-7602VG2AR: PEB-7602VG2A with ICH8R supports RAID function</p> <p><b>GAD-L01</b> Dual channel 24-bit LVDS &amp; DVI interface with ADD2 card</p> <p><b>DVI-Cable-01</b> 24-pin DVI cable</p> <p><b>CHS-6010</b> Cooper made heat sink to expire the system heat with 40 CFM fans</p>
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## SYSTEM

CPU	90 nm Intel® LGA775 Pentium® 4 / Celeron D (300, 500, 600, E6000 series)
System Memory	2x 240-pin DDR2 533/667/800 DIMM socket support up to 4 GB dual-channel interleaved mode assuming DDR2 667 MHz to 8.5GB/s
Storage	4 x Serial ATA connector high-speed data transfers at up to 3 Gb/s
FSB	FSB 1066/800/533 MHz
RAID	ICH8R supports RAID 0, 1, 5, 10 function (optional)
Expansion	1x PCI Express x16 slot
Form Factor/Weight	Mini-ITX form factor (17cm x 17cm) / 0.94 lbs (0.43 Kg)
Audio	Intel® 82801HB ICH8, HDAC codec with Realtek ALC883 7.1 +2CH 3D
Audio Interface	Mic in, Line in, CD Audio in, Line out, Rear out and Center/Subwoofer out
Video	Intel® Q965 GMCH, Integrated Intel Gen4 Graphics Media Accelerator CRT mode: 2048x1536@ 85 Hz, LCD/Simultaneous mode: 2048 x 1536
LVDS	Optional Chronitel CH7308 LVDS transmitter
DVI	Optional Chronitel 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	4x SATA, 2x RS-232, 1x K/B, 1x Mouse
IrDA	115k bps, IrDA 1.0 compliant
USB	4x USB 2.0 ports and 4x USB 2.0 with header

## Mechanical

Power Requirement	BTX 76W (Intel 3.2GHz CPU with 1GB system memory in DOS V 6.22)
BIOS	Award BIOS with 8Mb Flash ROM
System Chipset	Intel® Q965 GMCH & 82801HB ICH8, Winbond W83627THF-AW
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



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