

PEB-7608VG2A

Micro ATX Board base on Intel® Core™ 2 Duo Processor
Intel® Q35 and ICH9DO Chipset with VGA, Dual G-LAN
SATA, Audio



FEATURES

- Intel® Core 2 Duo (Conroe & Wolfdale) and Core 2 Quad (Yorkfield)
- Intel® Q35 Express Chipset, 1333/1066/800 MHz FSB
- Dual-channel DDR2 667/800
- Integrated Intel® GMA 3100 graphics
- Dual 10/100/1000Mbps Gigabit Ethernet
- One PCI Express x16 Slot, Two PCI-E x1 and PCI
- Up to Four COM and Eight USB 2.0 Ports

ORDERING GUIDE

Standard

PEB-7608VG2A

PEB-7608VG2A: Intel® Core 2 Duo / Core 2 Quad processors Micro ATX MainBoard with VGA, Audio, two GB LANs, four COM ports and eight USB 2.0 ports

SYSTEM

CPU	Support LGA 775 Intel® Core 2 Duo, Core 2 Quad family processor
Chipset	Intel® Q35 and ICH9DO
FSB	FSB 800/1066/1333 MHz
I/O Chipset	ITE® IT8718F I/O Controller
System Memory	2 x 240-pin DIMM Sockets Dual Channel DDR2 667/800 SDRAM Max. up to 4GB memory
Storage	1 x Parallel ATA IDE with UDMA 33, ATA-66/100, 4 x Series ATA 300
GPIO	Onboard programmable 8-bit Digital I/O interface
Expansion	One PCI-Express x16 Slot, 2 x PCI-E x1, 1 x PCI slot
Audio Interface	Realtek® ALC883 Audio Codec, Line-in, Line-out, Microphone Jacks
Video	Intel® Q35 Intergrated GMA 3100 up to 2048 x 1536 @ 75 Hz (QXGA) DSUB-15 Connector for VGA output
BIOS	Award BIOS with 8MB SPI Flash EEPROM
Form Factor/Weight	Micro ATX form factor 9.6" x 9.6" (244 mm x 244 mm)
LAN	Dual Realtek® RTL8111B Gigabit Ethernet Controllers

I/O

MIO	4 x Serial Ports, 1 x K/B, 1 x Mouse
USB	8 x USB 2.0 (4 x Ext, 4 x Int)

Mechanical

Power Requirement	24-pin ATX 1x 4-pin ATX 12V power connector
Compliance	ROHS, WEEE
Watchdog Timer	Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU and system temperature, voltage and cooling fan Status
Operating Temperature	0~60°C (32~140°F) / 10%~90% relative humidity, noncondensing



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