

# PEB-7605VLA

Mini-ITX Board base on Intel® ULV Celeron® M Processor  
Intel® 82852GM (MCH) and 82801DB ICH4 Chipset  
with VGA/LVDS Video, Dual LAN and Six USB Ports



## FEATURES

- Built with Intel® 1GHz Celeron®M Processor with (zero cache) or 600 MHz Celeron®M with 512 L2 cache
- Memory capacity up to 1GB (DDR SDRAM)
- Supports dual displays via VGA and LVDS
- On-board AC97 Audio interface
- Dual 10/100Mbps LAN
- One PCI slot for expansion
- Four COM and six USB 2.0 ports

## ORDERING GUIDE

### Standard

#### PEB-7605VLA-1G

Intel® ULV Celeron® M 1GHz MainBoard with VGA, LVDS, Audio, Dual LAN and six USB 2.0 ports

#### PEB-7605VLA-600

Intel® ULV Celeron® M 600 MHz with 512 L2 cache MainBoard with VGA, LVDS, Audio, Dual LAN and six USB 2.0 ports

## SYSTEM

CPU	90 nm Intel® ULV Celeron®M 1GHz processors (zero cache)
System Memory	1 x 184-pin DDR 333/266 DIMM socket up to 1 GB
Chipset	Intel® 82852GM (MCH) and 82801DB ICH4
FSB	FSB 400 MHz
Storage	2 x Ultra DMA 133/100/66/33 for four IDE devices (one 40-pin and one 44-pin IDE connector) (one CompactFlash Type II Socket)
Expansion	1 x 32 bit PCI slot
I/O Chip	ITE-IT8716F-S
Audio	Intel® 82801DB ICH4, Realtek ALC655 AC97 5.1 CH 3D audio
Audio Interface	Mic in, Line in, Line out
Video	Intel® 82852GM (MCH) chip shared system memory of 64 MB Max. resolution: 2048x1536@ 85 Hz, Dual display mode is available with LVDS interface
LVDS/DVI	Dual channel 24-bit LVDS
LAN	Dual Realtek Realtek RTL8100C Ethernet controllers IEEE 802.3 10/100 BASE-T Ethernet compliant

## I/O

MIO	2 x EIDE, 1 x LPT, 1 x FDD, 4 x RS-232, 1 x K/B
IrDA / SSD	115k bps, IrDA 1.0 compliant / 1 x CompactFlash Type I/II socket
USB	4 x USB 2.0 and 2 x USB 2.0 with header

## Mechanical

Power Requirement	ATX power connector
BIOS	Award BIOS with 2Mb Flash ROM
System Chipset	Intel® 82852GM (MCH), 82801DB ICH4
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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