

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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