



UNICORN COMPUTER CORP.

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ENDAT-7301M

Specifications

CPU:

- VIA V4 Eden ULV 500MHz Processor (w/o fan)
- VIA V4 Eden ULV 1.0 GHz Processor (w/ fan)

Chipset:

VIA CX700M

BIOS:

Award Flash BIOS

System Memory:

One 200Pin SO-DIMM Socket supports DDR2 533/400 up to 1GB

Enhanced IDE interface:

- One 44-pins IDE Connector supports 2 UltraDMA 133/100/66/33 devices
- One CF socket support (shared IDE bus)

Serial ATA (SATA) interface:

One ports 300MB/s SATA device

Display Controller:

Chipset: Integrated VIA UniChrome Pro II 3D/2D AGP graphics with MPEG-2/4 and WMV9 decoding acceleration

• Display type:

- CRT (1920x1440)
- LVDS support 18/24/36/48bit Single/Dual Channel (1600x1200)
- DVI output (1600x1200)

- **Dual view support:** DVI+LVDS, CRT+LVDS or DVI+CRT (all CRT support by optional cable)

- **Display ratio:** 4:3 or 16:9

Audio Controller:

- **Chipset:** Integrated CX700M Audio controller w/ VT1708B HD Audio Codec for 2 channels output

• Interface:

- **Speaker Out pin header:** 2 watts (per channel) stereo output with high performance differential output type
- **Onboard pin header:** Line-out, MIC-in, Line-in and SPDIF-in/out

High Speed Multi I/O:

- **Chipset:** Winbond W83697HG
- **Serial Ports:** 1 high speed RS-232 ports and 1 high speed RS-232/422/485 port (via 2nd COM as option) support 16C550 UART with 16-byte FIFO
- **USB Ports:** 4 ports with USB 2.0 compliant
- **Infrared Port:** 1 IrDA TX/RX port with pin header
- **Keyboard / Mouse:** Support PS/2 keyboard and mouse connector support by Y cable

Digital I/O:

8-bits Digital I/O with CMOS/TTL level (4 bit input and 4 bit output) by pin header

Watch Dog Timer:

Programmable 1~255 seconds / minutes

Network Interface:

- Chipset: VIA Gb LAN Controller VT6122
- 10/100/1000 Base-TX, Full duplex with RJ-45 connector
- Compliant with IEEE 802.3X

Power management:

ACPI Mode

Real Time Clock:

On chip RTC with external Li Battery back up

PCI Expansion slot:

1x 32-bit miniPCI socket with PCI-2.2 compliant

Board Dimension:

3.5" SBC form factor, 146 x 104 mm (5.7" x 4")

Power Output Types:

4 pins 3.96 mm pitch connector support ATAPI device power

Power Types:

Single DC 12V input

Operating Temperature: 0 ~ 60°C

Ordering Information:

Options for ENDAT-7301M:

- VIA V4 Eden ULV 500MHz CPU
- VIA V4 Eden ULV 1.0 GHz CPU
- CRT convert cable

Spot light:

- 3.5" Small SBC form factor
- Fanless solution (VIA Eden ULV 500MHz)
- Dual view support by DVI+LVDS, CRT+LVDS or DVI+CRT
- Single DC +12V power input
- MPEG-2/4 and WMV9 Hardware Decoding Acceleration
- CF and miniPCI socket onboard

Release Date: 2008-10-28