



UNICORN COMPUTER CORP.

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ENDAT-5301

Specifications

CPU Support:

Support 7 / Super 7 for Intel Pentium CPU, MMX; AMD K5 / K6 / K6-2 / K6-3; IDT C6; Rise; IBM / Cyrix 6X86 Compatible CPUs up to 500MHz

Chipset:

VIA MVP4 VT8501 66/100MHz North Bridge with integrated Trident 2X AGP Graphic controller and VT82C686A Super I/O

BIOS:

AWARD Flash BIOS

System Memory:

One DIMM socket accept up to 256MB SDRAM support PC-66/PC-100 frequency

Enhanced IDE interface:

Two 40-pin box header support up to 2 EIDE devices, Ultra DMA transfer 33/66 mode and BIOS auto-detect

FDD interface:

Support up to two Floppy Disk Drives

Display Controller:

- Chipset: On VT8501 chip integrated 2X AGP Graphic controller with SMA up to 8MB
- Display Type: CRT; 24bit TFT interface LCD panel
- LCD panel resolution: 640 x 480; 800 x 600; 1024 x 768

Audio Controller: (optional)

- Chipset: VIA VT82C686A, AC'97 2.0 compliant, Multi-Stream Direct Sound and Direct Sound 3D acceleration
- Interface: Line In, CD In, MIC In, Speaker Out (optional)

High Speed Multi I/O:

- **Chipset:** VIA VT82C686A integrated Super I/O
- **Serial Ports:** 4 high speed RS-232 ports with 1 high speed RS-232/422/485 port (via COM2 as option), all 4 serial ports support 16C550 UART and 16 byte FIFO, and with +5V, +12V power selector
- **Parallel Ports:** 1 Bi-directional parallel ports support SPP/EPP/ECP mode
- **USB Ports:** 2 ports with 1.1 compliant
- **Infrared Port:** 1 IrDA TX/RX port with pin header
- **Keyboard / Mouse Connectors:** Support PS/2 keyboard and mouse with reserved pin header on board

Network Interface:

- Chipset: 1 x Realtek 8139C
- 10/100 BaseT / TX support, full duplex with RJ 45 connector on board
- Compliant with IEEE 802.3X
- Boot from LAN function

On board solid State Disk Interface:

One DOC 2000 socket support M-System DiskOnChip

Power management:

Supports power saving modes including APM 1.2 compliant

Real Time Clock:

On chip RTC with external Li Battery back up

On board Bus Expansion:

One 32bit PCI connector
One PC-104 ISA interface connector

Board Dimension:

5.25" SBC form factor, 203 x 146mm (7.9" x 5.7")

Power Types:

Support AT or ATX power supply

Operating Temperature: 0 ~ 60°C

Ordering Information:

Standard:

ENDAT-5301	Support CRT display only
ENDAT-5301-1	Support 24bit TFT LCD panel

Audio Kit Options:

AV Card	with 3W amplifier + bracket
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Supported LCD Kits:

UC-T1848	Support dual channels 36bit, 48bit TTL LCD panel
UC-LT1815	Support single channel 18bit, 24bit LVDS LCD panel
UC-L1836	Support dual channel 36bit LVDS LCD panel
UC-L2448	Support dual channel 48bit LVDS LCD panel