



UNICORN COMPUTER CORP.

ADD : 3FL-4., No. 130, Chien-Kung Rd., Chung-Ho City, Taipei Hsien, Taiwan 235

TEL : 886-2-2223-6699 • 2223-6655 FAX : 886-2-2222-1269

http://www.unicorn-computer.com.tw

E-Mail : sales@unicorn-computer.com.tw • support@unicorn-computer.com.tw

ENDAT-3601T

Specifications

CPU:

Support Socket 370 Intel Pentium III FCPGA / Celeron™ FCPGA / FCPGA2 / Intel Tualatin / VIA C3 CPUs

Chipset:

VIA VT8601 66/100/133MHz North Bridge with integrated 2D/3D Graphic Controller and VT82C686B Super I/O

BIOS:

AMI Flash BIOS

System Memory:

Two DIMM sockets accept up to 1GB SDRAM

Enhanced IDE interface:

Two 40-pin box headers support up to 2 EIDE devices, Ultra DMA transfer 33/66/100 mode and BIOS auto-detect

FDD interface:

Supports up to two Floppy Disk Drives

Display Controller:

- Chipset: On VT8601 chip 2D/3D Graphic Controller with SMA up to 8MB
- Display Type: CRT; 18bit, 24bit TTL TFT LCD panels; option for 18 bit or 24bit LVDS TFT LCD panels (LVDS is optional)
- LCD Panel Resolution: 640 x 480; 800 x 600; 1024 x 768

Audio Controller: (optional)

- Chipset: VIA VT82C686B, 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 VT82C686B integrated Super I/O
- **Serial Ports:** 3 high speed RS-232 ports and 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 port supports SPP/EPP/ECP mode
- **USB Ports:** 4 ports with 1.1 compliant
- **Infrared Port:** 1x IrDA TX/RX port with pin header
- **Keyboard / Mouse Connectors:** Support PS/2 keyboard and mouse

Network Interface:

- Chipset: 1 or 2 Realtek 8139D or optional for 1 or 2 Intel 82551QM/ER (no Boot ROM function)
- 10/100 BaseT support, full duplex with RJ 45 connector onboard
- Compliant with IEEE 802.3X
- Boot from LAN function

On board solid State Disk Interface:

One DOC 2000 socket support M-System DiskOnChip

Watch Dog Timer / POST Code: (optional)

- ALTERA EPM3064ATC100-10, 1~255 seconds programmable with 4 bytes system I/O port address
- 7 segments display for system diagnostic

Power management:

Supports power saving modes including APM 1.2 compliant

Real Time Clock:

On chip RTC with external Li Battery backup

On board Bus Expansion:

188-pin connector with PCI and ISA signal for expansion up to 3 PCI slots and 3 ISA slots

Board Dimension:

LPX form factor, 220 x 235 mm (8.6" x 9.2")

Power Types:

Support AT or ATX power supply by jumper selection

Operating Temperature: 0 ~ 60°C

Ordering Information:

ENDAT-3601T:

ENDAT-3601T-1R	with 1 x Realtek LAN
ENDAT-3601T-2R	with 2 x Realtek LAN (2R Require minimum quantity)
ENDAT-3601T-1RL	with 1 x Realtek LAN + LVDS
ENDAT-3601T-2RL	with 2 x Realtek LAN + LVDS

Audio Kit options:

AV Card UC-A001	with 3W amplifier + bracket with 3W amplifier
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