



# UNICORN COMPUTER CORP.

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## ENDAT-3201 series

### Specifications

#### CPU:

Onboard VIA C3 Processor with 128KB Level 1 and 64KB Level 2 Cache with FSB 100/133MHz EBGA

- CPU w/ FAN: C3 Series
- CPU w/o FAN: Eden Series

#### Chipset:

VIA 8601 66/100/133MHz North Bridge with integrated 2D/3D Graphic Controller and VT82C686B Super I/O

#### BIOS:

AMI Flash BIOS

#### System Memory:

One DIMM socket accepts up to 512MB SDRAM

#### Enhanced IDE interface:

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

#### FDD interface:

Support 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 TFT LCD panels; option for 18 bit or 24bit LVDS TFT LCD panels
- **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:** 2 Bi-directional parallel ports support SPP/EPP/ECP mode
- **USB Ports:** 4 ports with 1.1 compliant
- **Infrared Port:** 1 IrDA TX/RX port with pin header
- **Keyboard / Mouse Connectors:** Support PS/2 keyboard and mouse

#### Network Interface:

- **Chipset:** Realtek 8139D or optional for Intel 82551QM/ER (no Boot ROM function)
- 10/100 BaseT / TX 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: (optional)

ALTERA EPM3064ATC100-10, 1~255 seconds programmable with 4 bytes system I/O port address

#### 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:

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

#### Board Dimension:

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

#### Power Types:

Support AT or ATX power supply

#### Operating Temperature: 0 ~ 60°C

### Ordering Information:

*For desired CPU speed, please contact us before ordering*

#### ENDAT-3201M:

4 x 9-pin D-Sub, 1 x 25-pin D-Sub, 1 x 15-pin D-Sub, KB/ Mouse, RJ45, 2 x USB, connectors at double deck

#### ENDAT-3201M-1R-10

with Realtek LAN + C3 1GHz CPU

#### ENDAT-3201M-1RL-10

with Realtek LAN + LVDS + C3 1GHz CPU

#### ENDAT-3201M-1R-E8

with Realtek LAN + Eden 800MHz CPU

#### ENDAT-3201M-1RL-E8

with Realtek LAN + LVDS + Eden 800MHz CPU

#### ENDAT-3201MF:

2 x 9-pin D-Sub, 1 x 25-pin D-Sub, 1 x 15-pin D-Sub, KB/ Mouse, RJ45, 2 x USB, connectors at double deck; COM3 & COM4 box header, LPT2 box header, VGA reserved w/ box header

**ENDAT-3201MF-1R-10**

with Realtek LAN + C3 1GHz CPU

**ENDAT-3201MF-1RL-10**

with Realtek LAN + LVDS + C3 1GHz CPU

**ENDAT-3201MF-1R-E8**

with Realtek LAN + Eden 800MHz CPU

**ENDAT-3201MF-1RL-E8**

with Realtek LAN + LVDS + Eden 800MHz CPU

**ENDAT-3201MH:**

*All I/O port reserved w/ box header; w/ 1 x RJ-45 onboard*

**ENDAT-3201MH-1R-10**

with Realtek LAN + C3 1GHz CPU

**ENDAT-3201MH-1RL-10**

with Realtek LAN + LVDS + C3 1GHz CPU

**ENDAT-3201MH-1R-E8**

with Realtek LAN + Eden 800MHz CPU

**ENDAT-3201MH-1RL-E8**

with Realtek LAN + LVDS + Eden 800MHz CPU

**Audio Kit options:****UC-A006**

with 1.2W amplifier