



UNICORN COMPUTER CORP.

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ENDAT-3205M

Specifications

CPU:

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

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

Chipset:

VIA VT8606-Twister T North Bridge with integrated S3 AGP 4x Graphic Controller and VT82C686B Super I/O South Bridge

BIOS:

AWARD Flash BIOS

System Memory:

One DIMM socket accepts up to 512MB SDRAM

Enhanced IDE interface:

- Two 40-pin box header support up to 4 EIDE devices, Ultra DMA transfer 33/66/100 mode and BIOS auto-detect
- One 44-pin 2m/m box header support 2.5" IDE devices (Shared IDE 1)

FDD interface:

Support up to two Floppy Disk Drives

Display Controller:

- **Chipset:** On VT8606-Twister T chip 2D/3D Graphic Controller with SMA up to 32MB
- **Display Type:**
 - CRT
 - TFT with TTL: 18bit, 24bit, 36bit LCD panels
 - TFT with LVDS: 18bit, 24bit, 36bit LCD panels (24bit is optional)
 - DSTN with TTL: 8bit, 16bit, 24bit
- **LCD Panel Resolution:** 640 x 480; 800 x 600; 1024 x 768; 1280 x 1024; 1280 x 768
- **Display ratio:** 4:3 and 16:9

Audio Controller:

- **Chipset:** VIA VT82C686B, AC'97 2.0 compliant, Multi-Stream Direct Sound and Direct Sound 3D acceleration
- **Interface:** Speaker-Out onboard phone-jack with 1.2W amplifier; Speaker-Out, MIC-In, CD In and Line-In via onboard pin header

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 Port:** 1 Bi-directional parallel port 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 with onboard connector and pin header reserved onboard

Digital I/O:

6 bit input and 2 bit output (TTL level) by pin header

Cash Drawer:

0V / +12V output controller by one pin header

Watch Dog Timer: (Optional)

Programmable 1~255 seconds

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 (not include 82551ER)

Power management:

ACPI Mode

Real Time Clock:

On chip RTC with external Li Battery back up

On board Bus Expansion:

One PCI expansion with edge connector for up to 3 PCI slots expansion via riser card with PCI 2.2 compliance

Board Dimension:

Mini-ITX form factor, 170 x 170 mm (6.69" x 6.69")

Power Types:

Support ATX power supply

Operating Temperature: 0 ~ 60°C

Ordering Information:

For desired CPU speed, please contact us before ordering

ENDAT-3205M:

- ENDAT-3205M-1R-10** with Realtek LAN + C3 1GHz CPU
- ENDAT-3205M-1R-E8** with Realtek LAN + Eden 800MHz CPU
- ENDAT-3205M-1i-10** with Intel LAN + C3 1GHz CPU
- ENDAT-3205M-1i-E8** with Realtek LAN + Eden 800MHz CPU