



UNICORN COMPUTER CORP.

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ENDAT-4946M

Specifications

CPU:

Embeds Intel Core Solo / Celeron ULV processors

Chipset:

INTEL 945GM + ICH7-M

BIOS:

Award Flash BIOS

System Memory:

One DDR2 DIMM socket accepts 667/533/400MHz up to 2GB

Enhanced IDE interface:

One IDE channel supports up to 2 EIDE devices (1 x 40-pin),
UDMA 33/66/100 mode and BIOS auto-detect

Serial ATA (SATA) interface:

2 ports 150MHz Serial ATA Device

Display Controller:

- **Chipset:** Integrated in 945GM chip with DVM3.0
- **Dual view:** CRT + LVDS or CRT + DVI
- **Display Type:**
 - CRT
 - DVI support with cable CB-4946DVI (Optional)
 - LVDS support 18/24/36/48bit Single/Dual Channel (Optional)
- **Display ratio:** 4:3 and 16:9

Audio Controller:

- **Chipset:** INTEL ICH7-M w/ AC'97 2.2 compliant, Multi-Stream Direct Sound and Direct Sound 3D acceleration
- **Speaker out with 1.2W amplifier**
- **Phone-jack:** Speaker-Out
- **Pin header:** Speaker-Out, MIC-In, CD-In and Line-In

High Speed Multi I/O:

- **Chipset:** 2 x Winbond W83627HG
- **Serial Ports:** 4 high speed RS-232 ports; Com 2nd could be as high speed 422/485 port (optional). All 4 serial ports support 16C550 UART and 16 byte FIFO, and with +5V, +12V power selector.
- **Parallel Port:** 1 Bi-directional parallel port supports SPP/EPP/ECP mode
- **USB Ports:** 6 ports with 2.0 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
- **Watch Dog Timer:** SIO chip build in, programmable 1~255 seconds / minutes

Digital I/O:

8 bit input and 8 bit output (TTL level) by pin header

Network Interface:

- **Single LAN onboard:** 1x Realtek RTL8111B (Gigabit) 10/100/1000 Base T, full duplex with RJ 45 connector onboard
- **Compliant with IEEE 802.3x**

Power management:

ACPI Mode

Real Time Clock:

On chip RTC with external Li Battery backup

On board Bus Expansion:

One PCI expansion with PCI 2.2 compliance

Board Dimension:

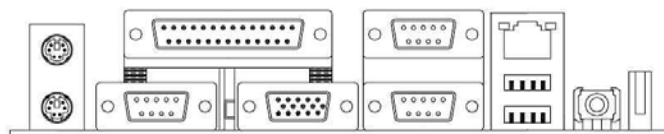
Mini-ITX form factor, 170 mm x 170 mm (6.69" x 6.69")

Power Type:

Support standard ATX power supply

Operating Temperature: 0 ~ 60°C

Rear window:



Ordering Information:

ENDAT-4946M:

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|-----------------------|--|
| ENDAT-4946M: | w/ CRT support Gigabit LAN |
| ENDAT-4946M-L: | w/ LVDS support, Gigabit LAN |
| ENDAT-4946M-D: | w/ CRT+DVI support with DVI Cable: CB-4946-D2, Gigabit LAN |

Spot light:

- *The most powerful embedded platform*
- *Dual view by CRT + LVDS or CRT + DVI*
- *Supports Wide screen 16:9*