



UNICORN COMPUTER CORP.

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ENDAT-3227A

Specifications

Board Dimension:

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

CPU:

Intel® Atom™ N270 1.6GHz processor

Chipset:

Intel 945GSE + ICH7-M

BIOS:

Award Flash BIOS

System Memory:

One 240-Pin DDR2 socket supports Single-Channel DDR2 400/533 SDRAM up to 2 GB memory

Enhanced IDE interface:

One Enhance IDE Connector for 2 x UDMA 33/66/100 device

Serial ATA (SATA) interface:

2 ports 300MHz Serial ATA Device

Display Controller:

- **Chipset:** Integrated in 945GSE chip with DVM3.0
- **Dual view:** CRT + LVDS (**optional**)
- **Display Type:**
 - CRT
 - 18/36 bit LVDS (**optional**)

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, MIC-In
- **Pin header:** Speaker-Out, MIC-In, CD In and Line-In

High Speed Multi I/O:

- **Chipset:** FINTEK F81865
- **Serial Ports:** 4 high speed RS-232 ports; 2nd COM 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:** 8 ports with 2.0 compliant (4 external / 4 internal)
- **Keyboard / Mouse:** 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:

4 bit input and 4 bit output bi-directional I/O ports (standard board support)

Network Interface:

- 1 x REALTEK 8100B Giga LAN
- Compliant with IEEE 802.3x

Power management:

ACPI Mode

Real Time Clock:

On chip RTC with external Li Battery back up

Expansion Slot:

One PICMG 1.0 compliant PCI slot supports up to 2 PCI expansions
One PCI-e x1 slot (**optional**)

Power Types:

ATX power input

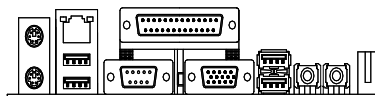
Operating Temperature: 0 ~ 60°C

Ordering Information:

Optional features for ENDAT-3227A:

ENDAT-3227A	Supports CRT
ENDAT-3227A-L	Supports 18/36 bit LVDS

Rear window:



Spot light:

- **Intel® Atom™ N270 1.6GHz fan-less CPU**
- **Dual Display (**optional**): LVDS +VGA**
- **PCI-Express (x1)expansion (**optional**)**
- **Low cost solution**

Released Date: 2009-12-8