



UNICORN COMPUTER CORP.

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ENDAT-GM451

Specifications

CPU:

Intel® Core 2 Duo / Celeron M (Socket-P Based) Processor

Chipset:

Intel GM45 + 82801IBM(ICH9-M)

BIOS:

Award Flash BIOS

System Memory:

Two 204Pin SO-DIMM Sockets support DDR3 800/1066MHz up to 4GB

Serial ATA (SATA) interface:

Four ports 300MB/s SATA devices

Display Controller:

Chipset: Intel® GM45 Integrated Graphic Media Accelerator 4500MHD, Intel® DVM T 5.0 support

- **Default Display Type:** CRT
- **Optional Display Types:** LVDS, DVI
- **Dual view:** CRT + DVI or CRT + LVDS or DVI + LVDS or Dual LVDS
- **Display ratio:** 4:3 and 16:9

Audio Controller:

- **Chipset:** Integrated ICH9-M HD Audio controller and ALC888 HD CODEC with 1.2W amplifier output
- **Interface:**
 - **Onboard phone-jack:** 1.2 watts (per channel) stereo amplifier onboard support for SPEAKER OUT; MIC-In, Line-In
 - **Onboard pin header:** SPEAKER OUT, MIC-in, Line-in, CD-in

High Speed Multi I/O:

- **Chipset:** Winbond W83627UHG
- **Serial Ports:** 3 high speed RS-232 ports and 1 high speed RS-232/422/485 port (*via 2nd COM as option*) support 16C550 UART, 16-byte FIFO (MH boards by box header), and with +5V, +12V power selector.
- **Parallel Port:** 1 Bi-directional parallel port supports SPP/EPP/ECP mode
- **USB Ports:** 8 ports with USB 2.0 compliant
- **Keyboard / Mouse:** Supports PS/2 keyboard and mouse with connector and pin header reserved

Digital I/O:

8-bits Digital I/O with CMOS/TTL level (4 bit input and 4 bit output) by pin header

Watch Dog Timer:

Programmable 1~255 seconds / minutes

Power management:

ACPI Mode

Network Interface:

- 2 x REALTEK RTL8111B PCI-E Gigabit chip
- 10/100/1000 Base-TX, Full duplex with RJ-45 connector
- Compliant with IEEE 802.3X

Real Time Clock:

On chip RTC with external Li Battery backup

Expansion Slot:

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

Board Dimension:

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

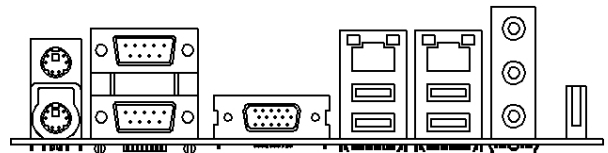
Power Types:

Wide Range 14V~28V DC input

Operating Temperature:

0 ~ 60°C

Rear window:



Ordering Information:

ENDAT-GM451:

ENDAT-GM451:	Supports CRT
ENDAT-GM451-L:	Supports LVDS
ENDAT-GM451-D:	Supports DVI

Spot light:

- **Dual Display(Optional):** LVDS x 2 or DVI + LVDS or DVI + VGA or LVDS + VGA
- **INTEL GMA 4500MHD GFX engine**
- **Dual Gigabit LAN**
- **4 COM + 1 LPT**