



UNICORN COMPUTER CORP.

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ENDAT-7706

Specifications

CPU:

Supports Intel FCPGA988B 2nd (Sandy Bridge) and 3rd (Ivy Bridge)

Core i7/i5/i3/Celeron CPU

Chipset:

INTEL QM77

BIOS:

Phoenix UEFI Flash BIOS

System Memory:

2 Sockets Up to 16GB SO-DIMM DDR3-1600

Serial ATA (SATA) interface:

Support 2 ports SATA2 and 2 ports SATA3.

Display Controller:

Chipset: Intel GMA (DVMT5.0)

- **Dual view:** CRT + LVDS or CRT + DVI
- **LVDS:** Support Dual Channel up to 1920 x 1080
- **Display ratio:** 4:3 and 16:9

Audio Controller:

- **Chipset:** INTEL QM77 w/ HD Audio
- **Speaker out** with 1.2W amplifier
- **Audio output:** Phone Jack (Line-In / SPK-Out / MIC in)
- **Pin header:** Speaker-Out, MIC-In, CD-In and Line-In/out

Trust Platform Module (TPM):

- Onboard Infineon chip support TPM function (Option)

High Speed Multi I/O:

- **Chipset:** 1 x Nuvoton NCT6160D
- **Serial Ports:** 4 high speed RS-232 ports and 1 high speed RS-232/422/485 port (via COM2), all 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 with pin header
- **USB Ports:** 4 Ports with USB3.0 and 8 ports with USB2.0 compliant
- **Infrared Port:** 1 IrDA TX/RX port with pin header
- **PS/2 Keyboard / Mouse :** Support PS/2 keyboard and mouse with onboard pin header
- **Watch Dog Timer:** SIO chip build in, programmable 1~255 seconds / minutes

Network Interface:

- **Dual Intel Gb LAN onboard**
- **10/100/1000 Base T, full duplex with RJ 45 connector onboard**
- **Compliant with IEEE 802.3x**

Digital I/O:

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

Power management:

ACPI Mode

Real Time Clock:

On chip RTC with external Li Battery backup

On board Bus Expansion:

One PCI-E socket onboard
One SIM Card holder on board (optional)

Board Dimension:

This board is bigger than Mini-ITX

Power Types:

12V~24V DC input

Operating Temperature: 0 ~ 60°C

Rear window:

Spot light:

- **4 Ports USB 3.0 support.**
- **Dual view by CRT + LVDS or CRT + DVI**
- **Dual Channel LVDS support 1920 x 1080 resolution and 16:9 wide screen.**
- **Dual Intel Ethernet controller onboard.**
- **One mini-PCIE socket onboard support**
- **One SIM card holder onboard (Optional)**