



Features

- Intel® rPGA988B (Socket G2) Supports Intel® Ivy Bridge Processors (35 ~ 45W CPU)
- Intel® Panther Point-Mbl (QM77) Chipset
- One 204-pin DDR3 SODIMM Up to 8GB DDR3 1333/ 1600 SDRAM
- Triple Display, 2-CH LVDS, 1 DVI-I, 1 HDMI
- Dual Intel® Gigabit Ethernet
- 2 SATA III, 2 COM, 16-bit GPIO, 2 USB 2.0, 4 USB 3.0
- Support iAMT 8.0
- Support mSATA
- Backward Compatibility (EPI-QM77 can adopt Intel Sandy Bridge CPU)
- TPM Function

Specifications

System

• CPU	Intel® rPGA988B (Socket G2) Supports Intel® Ivy Bridge Processors (35 ~ 45W CPU)
• BIOS	AMI 64Mbit SPI BIOS
• System Chipset	Intel® Panther Point-Mbl (QM77)
• I/O Chip	Nuvoton NTC6776F
• System Memory	One 204-pin DDR3 SODIMM Socket, Supports Up to 8GB DDR3 1333/ 1600 SDRAM
• SSD	1 x mSATA (from Mini-PCIe Slot)
• Watchdog Timer	Reset: 1sec. ~ 255sec./min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, voltage with Auto Throttling Control
• Expansion	1 x Mini PCIe (Support mSATA)

I/O

• MIO	2 x SATA III, 1 x RS-232, 1 x RS-232/ 422/ 485, LPC
• IrDA	Nuvoton NTC6776F (Share with COM2)
• USB	2 x USB 2.0 (Pin Header), 4 x USB 3.0 (Edge Connectors)
• DIO	8-bit GPI, 8-bit GPO

Display

• Chipset	Intel® QM77
• Display Memory	Share System Memory Up to 512MB
• Resolution	DVI Mode: 1920 x 1200 @ 60Hz LCD/ Simultaneous Mode : 18 or 24 bits/ pixel; Pixel Resolution Clock 25 - 112MHz HDMI Mode: 1920 x 1200 @ 60Hz
• Multiple Display	DVI + LVDS + HDMI or CRT + LVDS + HDMI
• LVDS	Dual-channel 18/ 24-bit LVDS
• DVI	One DVI Port Co-lay with VGA

Built-in Touch Screen (Optional)

• Chipset	PenMount 6000
• Touch Screen Interface	With 9-pin 2.0mm Box Header (Can be Selected to Support 4/ 5/ 8-wire Touch Screen)

Audio

• HD Codec	Realtek ALC892 Supports 7.1-CH Audio
• Audio Interface	High Definition Audio

Ethernet

• LAN Chip	1 x Intel® 82574L 1 x Intel® 82579 (Gigabit PHY)
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+12V ~ 19V, Reverse Power Connector for SATA
• ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 1.0b and 2.0 Compliant
• Power Type	Single Power AT/ ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	4.5" x 6.5" (115mm x 165mm)
• Weight	0.4lbs (0.18kg)

Ordering Information

• EPI-QM77

Intel® Ivy Bridge EPIC Module with Intel® QM77 Chipset and DVI-I, 2-CH LVDS, HDMI, 7.1-CH Audio, 2 Gigabit Ethernet, 2 SATA III, 2 COM, 6 USB & 16-bit GPIO

• ACC-MEM-xx

Memory Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1GB)