



Features

- Intel® rPGA988B (Socket G2) Supports Intel® 3rd Generation Core™ i7/i5/i3 Processors
- 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 mSATA
- Backward Compatibility (EPI-QM77 can adopt Intel® 2nd Generation Core™ i7/i5/i3 CPU)
- Support iAMT 8.0 and TPM Function
- Support Software Base RAID 0/1

Embedded System

Qseven Module

COM Express /ETX/XTX

3.5" SBC

EPIC

5.25" SBC

ATX

Micro ATX

Mini ITX

Nano ITX

Rack Mount System

Mini ITX System

Peripherals

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Specifications

System

CPU	Intel® Core™ i7-3610QE, 4-Core, 2.3GHz, 6M Cache Intel® Core™ i5-3610ME, 2-Core, 2.7GHz, 3M Cache Intel® Core™ i3-3120ME, 2-Core, 2.4GHz, 3M Cache
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 5.1-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® 3rd Generation Core™ i7/i5/i3 Processors EPIC Module with Intel® QM77 Chipset

ACC-MEM-xx

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