



Features

- Intel® rPGA988B (Socket G2) Supports Intel® 3rd Generation Core™ i7/i5/i3 Processors
- Intel® QM77 Chipset
- One 204-pin DDR3 SODIMM Up to 8GB DDR3 1333/1600 SDRAM
- Dual-channel 18/24-bit LVDS, HDMI, VGA
- Realtek ALC892 HD Audio Codec
- 2 x Gigabit Ethernet
- Triple Display
- 2 SATA III, 1 Mini PCIe
- 4 USB 3.0, 2 USB 2.0, 2 COM, 8-bit DIO
- iAMT 8.0

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 uEFI BIOS, 64Mbit SPI Flash ROM iAMT8.0 Supported
System Chipset	Intel® QM77 Chipset
I/O Chip	Nuvoton NCT6776F
System Memory	One 204-pin DDR3 SODIMM Socket Supports Up to 8GB DDR3 1333/1600 SDRAM
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Expansion	1 x Mini PCIe
TPM	TPM 1.2 Supported (Optional)

I/O

MIO	1 x RS-232, 1 x RS-232/422/485, LPC, 2 x SATA III
USB	2 x USB 2.0, 4 x USB 3.0
DIO	4-bit GPI, 4-bit GPO

Display

Chipset	Intel® QM77
Resolution	VGA Mode: 1920 x 1200 @ 60Hz HDMI Mode: 1920 x 1200 @ 60Hz LVDS Mode: 1920 x 1200 @ 60Hz
Multiple Display	VGA + LVDS + HDMI
LCD Interface	Dual-channel 18/24-bit LVDS

Audio

HD Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN Chip	1 x Intel® 82574L Gigabit Ethernet, 1 x Intel® 82579 Gigabit Ethernet PHY
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V
ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
Power Type	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)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Information

ECM-QM77

Intel® 3rd Generation Core™ i7/i5/i3 Processors 3.5" Micro Module with Intel® QM77 Chipset

AUX-056

USB 3.0 Daughter Board

ACC-ECM-SDOMxx-xxx

SATADOM Series (xx = Capacity, Capacity Option: 1, 2, 4, 8GB)