



Features

- Supports 3rd Gen Intel®Core™ i7/i5/i3 rPGA 988B Processor
- One 204-Pin DDR3 SO-DIMM Up to 8GB DDR3 1333/ 1600 SDRAM
- Triple Display, 2-CH LVDS, 1 x DVI-I, 1 x HDMI
- Dual Intel® Gigabit Ethernet
- 2 x SATA III, 2 x COM, 16-bit GPIO, 2 x USB 2.0, 4 x USB 3.0
- Supports mSATA
- Backward Compatibility (EPI-QM77 can adopt Intel® 2nd Generation Core™ i7/i5/i3 CPU)
- Support iAMT 8.0 and TPM Function

CH1

Embedded Computing-SBC



Specifications

System

Processor	3 rd Gen Intel® Core™ i7-3610QE 4-Core 2.3GHz processor 3 rd Gen Intel® Core™ i5-3610ME 2-Core 2.7GHz processor 3 rd Gen Intel® Core™ i3-3120ME 2-Core 2.4GHz processor
System Chipset	Intel® QM77 Express Chipset
System Memory	1 x 204-Pin DDR3L 1333/1600MHz SO-DIMM up to 8 GB
I/O Chip	Nuvoton NTC6776F
BIOS	AMI 64Mbit SPI BIOS
Watchdog Timer	H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control

Expansion & Storage

Expansion	1 x Mini PCIe Supports mSATA
Storage	1 x mSATA(Supported from Mini PCIe)

Touch Screen

Built-in Touch controller(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)
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I/O

USB	2 x USB 2.0, 4 x USB 3.0
SATA	2 x SATA III
COM Port	1 x RS-232/422/485, 1 x RS-232
DIO	1 x 16bit GPIO
MIO	1 x LPC, 1 x SPI, 1 x PS2/ KB & MS, 1 x IrDA

Display

Chipset	Intel® QM77 Chipset Integrated, Supports triple display
Resolution	DVI-I: Max. resolution 1920x1200 @ 60Hz HDMI: Max. resolution 1920x1200 @ 60Hz DVI + LVDS + HDMI or CRT + LVDS + HDMI LVDS:18 or 24 bits/ pixel; Pixel Resolution Clock 25 - 112MHz

Audio

Chipset	Realtek ALC892, supports 5.1-CH
Audio Interface	Mic-In, Line-In and Line-Out

Ethernet

Chipset	1 x Intel® 82574L, 1 x Intel® 82579LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Mechanical & Environmental

Power Requirement	+12V ~ +19V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 1.0b and 2.0 Compliant
Power Type	AT/ATX
Operating Temperature	0°C ~ 60°C (32°F ~ 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)

Certification & Software Support

Certification	CE, FCC Class A
OS Information	Win 8, Win 7, Win XP, Linux

Ordering Information

EPI-QM77-A1R
EPIC-QM77w/CPU Socket,2SATAIII/2COM/6USB