



Features

- Support 3rd Generation Intel® Core™ i7/i5/i3 rPGA Socket Type Processor
- One 204-pin SODIMM Sockets Up to 8GB DDR3 1333/1600 SDRAM (Second SODIMM for Optional, Up to 16GB)
- Triple Display, CRT + DP + DP & HDMI + DP + DP
- Intel® HD Audio, Dual Intel® Gigabit Ethernet
- 2 SATA III, 2 SATA II, 8 COM, 8 USB, 1 LPT, 2 PCI, 2 Mini PCIe, 1 SIM Card, 8 In/8 Out GPIO
- Support S/W RAID Mode 0/1/5/10 Setting by BIOS
- Support Chassis Intrusion Function
- Service Window, Easy to Install 2.5" Drive Bay, DOM, Memory, Mini PCIe Module and Maintenance
- Optional: PCI + PCIe16 Riser Card, 1 PCIe16 Riser Card, Table Mount Bracket, +18Vdc ~ +75Vdc Wide Range DC Power Input Module

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

Board	EAP-CE02 + ESM-QM77
CPU	Intel® Core™ i7-3610QE, 4-Core, 2.3GHz, 3M Cache Intel® Core™ i5-3610ME, 2-Core, 2.7GHz, 3M Cache Intel® Core™ i3-3120ME, 2-Core, 2.4GHz, 3M Cache
BIOS	AMI 16Mbit SPI BIOS
System Chipset	Intel® QM77 Chipset
I/O Chip	Nuvoton NTC6776F
System Memory	One 204-pin SODIMM Sockets Up to 8GB DDR3 1333/1600 SDRAM (Second SODIMM for Optional, Up to 16GB)
Storage	Supported 2 x 2.5" Drive Bay (4 x 2.5" Drive Bay Bracket for Optional)
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
Display	Intel® QM77 with Integrated Graphics Engine
Audio	Intel® High Definition Audio
Ethernet	Dual Intel® Gigabit Ethernet
System Indicators	4 LED Indicators Show Power, HDD, LAN 1 and 2
Expansion Interface	2 PCI Slots, 2 Mini PCIe Sockets (One Supported SIM Card Slot), Optional with 1 PCI + PCIe16 Riser Card, 1 PCIe16 Riser Card

External I/O

COM	8 x RS232 (4 x COM RS-232/422/485 Setting by BIOS)
LAN	2 x RJ-45
Display Output Port	1 x CRT, 1 x HDMI, 2 x Display Port
LPT	1 x Print Port
Audio	Mic-in, Line-out, Line-in
USB	4 USB 2.0 on the Front; 4 USB 3.0 on the Rear
Digital I/O	8 In and 8 Out GPIO
Antenna	2 Knockouts for Antenna Mounting (Options to Add WiFi & 3G)
Extending Switch	1 x 2-pin Phoenix Type Connector

Mechanical & Environmental

Power Requirement	+12Vdc ~ +26Vdc in Dual DC Connector, Lockable & Phoenix Connector (Optional with One +18Vdc ~ +75Vdc Wide Range Power Module)
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 1.0b and 2.0 Compliant
Power Mode	AT/ATX (ATX is The Default Setting)
Operating Temperature	-10 ~ 60°C (w/SSD/DOM), Ambient w/Air Flow; i5/i3 -10 ~ 50°C (w/SSD/DOM), Ambient w/Air Flow; i7
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Relative Humidity	0% ~ 90% Relative Humidity, Non-condensing
Vibration Protection	With DOM/SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 1hr/axis
Shock Protection	With DOM/SSD: 50G, IEC 60068-2-27, Half Sine, 11ms
Mounting	Table Mount
Certification	CE, FCC Class B
Dimension (W x D x H)	250mm x 270mm x 113mm
Weight	10lbs (5Kgs)

Ordering Information

EPS-QM77-61Q-A1-1R

Fanless Intel® Core™ i7-3610QE Rugged Embedded System with QM77 Chipset and VGA, HDMI, 2 Display Port, Audio, Dual Gigabit Ethernet, RAID, LPT, 8 COM, 8 USB, 2 PCI, 2 Mini PCIe, DIO, +12 ~ 26Vdc Input

EPS-QM77-61M-A1-1R

Fanless Intel® Core™ i5-3610ME Rugged Embedded System with QM77 Chipset and VGA, HDMI, 2 Display Port, Audio, Dual Gigabit Ethernet, RAID, LPT, 8 COM, 8 USB, 2 PCI, 2 Mini PCIe, DIO, +12 ~ 26Vdc Input

EPS-QM77-12M-A1-1R

Fanless Intel® Core™ i3-3120ME Rugged Embedded System with QM77 Chipset and VGA, HDMI, 2 Display Port, Audio, Dual Gigabit Ethernet, RAID, LPT, 8 COM, 8 USB, 2 PCI, 2 Mini PCIe, DIO, +12 ~ 26Vdc Input

ACC-EPS-WM-3R

EPS-QM77 Wall Mount kit (RoHS)