



Features

- Micro ATX Form Factor
- Accept Avalue and others COM Express Type 6 Compatible CPU Modules
- VGA/LVDS/HDMI/DisplayPort
- Audio Interface
- 1 PCIe16, 1 PCIe4, 1 PCIe1 Slot
- 4 SATA, 2 COM, 8 USB (Up to 4 USB 3.0), 8-bit GPIO
- Mini-PCIe Card with SIM Card Slot, Express Card/54
- Type 6 Pin-out

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

Form Factor	Micro-ATX
BIOS	Carrier Board BIOS Socket (Enable/Disable by 2-pin Jumper)
I/O Chip	Nuvoton NCT6776F
Expansion	1 PCIe16, 1 PCIe4, 1 PCIe1, Mini-PCIe card, Express Card (54mm)

I/O

MIO	4 x SATA, 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
IrDA Connector	5 x 1 Header, Pitch 2.54mm
USB Connector	8 x USB 2.0, 4 x USB 3.0
DIO	8-bit GPIO
External I/O Connector	<ul style="list-style-type: none"> • PS/2 Mouse (Mini-DIN) & PS/2 KB (Mini-DIN) • COM1 (DB-9) over HDMI • VGA (DB-15) over DisplayPort • 2 Dual Deck USB ports • 2 RJ45 over Dual USB • 3-Ports Audio Jack

Audio

Audio Codec	Realtek ALC892 Supports 7.1-CH Audio
Audio Interface	Line-in, Mic-in, Line-out, SPDIF, CD-in

Mechanical & Environmental

Power Type	AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	243.84mm x 243.84mm
Weight	1.10lbs (0.5Kg)

Supported COM Express CPU Modules

ESM-QM87

The 4th Generation Intel® Core™ i7/i5/i3 COM Express Type 6 Module with Intel® QM87 Express Chipset

ESM-BYT

Intel® Atom™ SoC Processors COM Express Type6 Module

ESM-QM77B (i7-3612QE, i7-3517UE, i3-3120ME)

Intel® Core™ i7/i5/i3 COM Express Type 6 Module with Intel® QM77 Chipset

Ordering Information

EEV-EX14

Micro ATX COM Express Type 6 Carrier Board