



## Features

- Micro ATX Form Factor
- Accept Avalue and others COM Express Type 6 Compatible CPU Modules
- VGA/ LVDS/ HDMI/ DisplayPort
- Audio Interface
- 1 PClex16, 1 PClex4, 1 PClex1 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

## Specifications

### System

• <b>Form Factor</b>	Micro-ATX
• <b>BIOS</b>	Carrier Board BIOS Socket (Enable/ Disable by 2-pin Jumper)
• <b>I/O Chip</b>	Nuvoton NCT6776F
• <b>Expansion</b>	1 PClex16, 1 PClex4, 1 PClex1, Mini-PCIe card, Express Card (54mm)

### I/O

• <b>MIO</b>	4 x SATA, 1 x LPT, 1 x RS-232, 1 x RS-232/ 422/ 485, 1 x K/B, 1 x Mouse
• <b>IrDA Connector</b>	5 x 1 Header, Pitch 2.54mm
• <b>USB Connector</b>	8 x USB 2.0, 4 x USB 3.0
• <b>DIO</b>	8-bit GPIO
• <b>External I/O Connector</b>	<ul style="list-style-type: none"> <li>• PS/2 Mouse (Mini-DIN) &amp; PS/2 KB (Mini-DIN)</li> <li>• COM1 (DB-9) over HDMI</li> <li>• VGA (DB-15) over DisplayPort</li> <li>• 2 Dual Deck USB ports</li> <li>• 2 RJ45 over Dual USB</li> <li>• 3-Ports Audio Jack</li> </ul>
• <b>Internal I/O Connector</b>	<ul style="list-style-type: none"> <li>• LVDS Connector (HIROSE DF13-40DP-1.25V)</li> <li>• USB: One 5 x 2, pitch 2.54mm Header</li> <li>• COM: One 5 x 2, pitch 2.54mm Header (RS-232/ 422/ 485 &amp; Pin-9 5/ 12V Set by Jumper)</li> <li>• LPC: One 7 x 2, pitch 2.00mm Header</li> <li>• CPU Fan: One 3 x 1, pitch 2.54mm Header</li> <li>• System Fan: Two 3 x 1, pitch 2.54mm Header</li> <li>• LPT: One 13 x 2, pitch 2.00mm Header</li> <li>• Floppy: One 17 x 2, pitch 2.54mm Header</li> <li>• Carrier Board Power: One Switch Button</li> <li>• Carrier Board Switch: One Switch Button</li> <li>• GPIO: One 5 x 2, pitch 2.54mm Header</li> <li>• Power Connector: ATX, One 12 x 2-pin &amp; 2 x 2-pin (12V Aux Power) Connector</li> <li>• Miscellaneous Setting Connector: One 13 x 2, pitch 2.54mm Header (Including Power/Reset Switch, Power/SATA/Suspend LED, K/B Locked, Speaker-out, Case Open Detection, Thermal Detection, LCD Brightness Setting)</li> </ul>

### Audio

• <b>Audio Codec</b>	Realtek ALC892 Supports 7.1-CH Audio
• <b>Audio Interface</b>	Line-in, Mic-in, Line-out, SPDIF, CD-in

### Mechanical & Environmental

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

## Supported COM Express CPU Modules

- **ESM-QM77**  
Intel® Core™ i7/ i5/ i3 COM Express Type 6 Module with Intel® QM77 Chipset
- **ESM-A50M**  
AMD eOntario COM Express Type 6 Module with AMD A50M Chipset

## Ordering Information

- **EEV-EX14**  
Micro ATX COM Express Type 6 Carrier Board