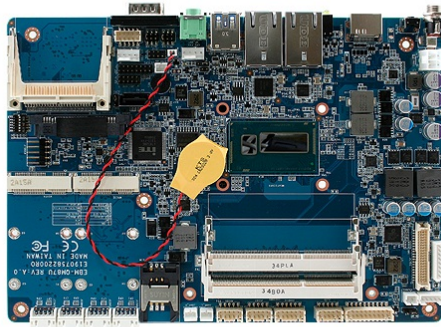




## EBM-QM87U

4th Gen Intel® Core™ SoC Processor i7/i5/i3 5.25" Mini Module



- ▶ Onboard 4th Gen Intel® Core™ SoC i7/i5/i3 BGA Processor
- ▶ 2 x 204-pin DDR3L SO-DIMM Up to 4G Per DIMM
- ▶ Dual Display (LVDS & HDMI)
- ▶ 2 mPCIe Ports, One Supports mSATA and The Other Supports USB w/ SIM Card Slot
- ▶ 2 x USB 3.0 Compatible with USB 2.0
- ▶ +12 ~ 26V Wide Power Range

### + Spec

System	
<b>Processor</b>	4th Gen Intel® Core™ i7-4650U 2-Core 3.3GHz processor 4th Gen Intel® Core™ i5-4300U, 2-Core, 1.9GHz processor 4th Gen Intel® Core™ i3-4010U, 2-Core, 1.7GHz processor
<b>System Memory</b>	2 x204-Pin DDR3L 1600MHz SO-DIMM up to 8 GB Up to 2 DIMMs & 8GB per DIMM, total 16GB
<b>I/O Chip</b>	EC ITE IT8528E
<b>BIOS</b>	AMI uEFI BIOS, 64/ 128Mbit SPI Flash ROM (iAMT 9.5 Supported)
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
<b>H/W Status Monitor</b>	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control
Expansion	
<b>Expansion</b>	1 xMini PCIe Supports SIM Card 1 xMini PCIe Supports mSATA
Storage	
<b>Storage</b>	1 xCompactFlash Type III Socket
Touch Screen	
<b>Built-in Touch controller(optional)</b>	EETI ETP-CP-MER4485XRU 1 x 5-pin 2.0mm Pin Header
I/O	
<b>USB</b>	2 xUSB 3.0 2 xUSB 2.0
<b>SATA</b>	2 xSATA II
<b>Com Port</b>	1 xRS-232/422/485 1 xRS-232
<b>Other</b>	1 xSIM Card Slot
<b>DIO</b>	1 x16bit GPIO
Display	
<b>Chipset</b>	Intel® Lynx Point Integrated Graphics Supports dual display
<b>Resolution</b>	HDMI:Max. resolution 4000x2000@ 25Hz LVDS:Max. resolution 1920x1200@ 60Hz HDMI + LVDS , HDMI: 4000 x 2000 @ 24Hz (Single Display) 1 x eDP via CH7511 Supports 24-bit Dual Channel LVDS
Audio	
<b>Chipset</b>	Realtek ALC892 supports 5.1-CH
<b>Audio Interface</b>	Mic-In, Line-In, Line-Out, Speak-out
Ethernet	
<b>Chipset</b>	1 xIntel® I210AT 1 xIntel® I218LM
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>Lan Port</b>	2 x RJ-45
Mechanical & Environmental	

<b>Power Requirement</b>	+12V ~ +26V
<b>Power Type</b>	AT/ATX
<b>Operating Temp</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimension (L x W)</b>	8" x 5.75" (203mm x 146mm)
<b>Weight</b>	0.55lb (0.25kg)
<b>Certifications</b>	
<b>Certification Information</b>	CE FCC Class B
<b>Software Support</b>	
<b>OS Information</b>	Win 8 Win 7 Linux
<b>Ordering Information</b>	
<b>Ordering Information</b>	EBM-QM87U-4300-A1R 5.25" EBM-QM87U/i5-4300U/2LAN/2COM/TC/A1

 Ordering

EBM-QM87U-4300-A1R  
5.25" EBM-QM87U/i5-4300U/2LAN/2COM/TC/A1