



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	
Processor	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
System Memory	2 x 204-Pin DDR3L 1600MHz SO-DIMM up to 8 GB Up to 2 DIMMs & 8GB per DIMM, total 16GB
I/O Chip	EC ITE IT8528E
BIOS	AMI uEFI BIOS, 64/ 128Mbit SPI Flash ROM(iAMT 9.5 Supported)
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control
Expansion	
Expansion	1 x Mini PCIe Supports SIM Card 1 x Mini PCIe Supports mSATA
Storage	
Storage	1 x CompactFlash Type III Socket
Touch Screen	
Built-in Touch controller(optional)	EETI ETP-CP-MER4485XRU 1 x 5-pin 2.0mm Pin Header
I/O	
USB	2 x USB 3.0 2 x USB 2.0
SATA	2 x SATA II
COM Port	2 x RS-232/422/485
Other	1 x SIM Card Slot
DIO	1 x 16bit GPIO
Display	
Chipset	Intel® Lynx Point Integrated Graphics Supports dual display
Resolution	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	
Chipset	Realtek ALC892 supports 5.1-CH
Audio Interface	Mic-In, Line-In, Line-Out, Speak-out
Ethernet	
Chipset	1 x Intel® I210AT 1 x Intel® I218LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V ~ +26V
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	8" x 5.75" (203mm x 146mm)
Weight	0.55lb (0.25kg)
Certifications	
Certification Information	CE FCC Class B
Software Support	



OS Information

Win 7
Win 8
Linux

+ Ordering

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