



EPI-QM87R

4th Gen Intel® Core™ Processor i5/i3
EPIC Module with Intel® QM87 Chipset

- > Onboard 4th Gen Intel® Core™ i5/i3 BGA Processor
- > One 204-pin DDR3L SODIMM Up to 8GB DDR3 1333/ 1600 SDRAM
- > Triple Independent Display
- > 18/24-bit Dual-channel LVDS, 1 DVI, 2 HDMI
- > Dual Gigabit Ethernet, HD Audio
- > 2 SATA III, 1 Mini PCIe, 6 USB 3.0, 2 USB 2.0, 4 COM, 8-bit GPIO
- > Supports mSATA, TPM 1.2 Function
- > iAMT 9.0

+ Spec

System	
Processor	4th Gen Intel® Core™ i5-4422E, 2-Core, 1.8GHz processor 4th Gen Intel® Core™ i3-4110E, 2-Core, 2.6GHz processor
System Chipset	Intel® QM87 Express Chipset
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB or 1 x 204-Pin DDR3L 1600MHz SO-DIMM up to 8 GB
I/O Chip	EC ITE IT8518E
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring SYSTEM Temperature and Voltage with Auto Throttling Control
Expansion	
Expansion	1 x Mini PCIe Supports mSATA
Storage	
Storage	1 x mSATA Supported from Mini PCIe
Touch Screen	
Built-in Touch controller (optional)	Chipset: PenMount 6000 Touch Screen Interface: With 9-pin 2.0mm Box Header (Can be Selected to Support 4/5/8-wire Touch Screen)
I/O	
USB	2 x USB 2.0 6 x USB 3.0
SATA	2 x SATA III
COM Port	2 x RS-232/422/485 2 x RS-232
DIO	1 x 8bit GPIO
MIO	1 x LPC 1 x PS2/ KB & MS 1 x SPI 1 x IrDA
Display	
Chipset	Intel® QM87 Chipset Integrated Supports triple display
Resolution	DVI-I: Max. resolution 1920x1200@ 60Hz HDMI: Max. resolution 3840x2160@ 24Hz LVDS: Max. resolution 1920x1080@ 60Hz Dual HDMI + LVDS/HDMI + LVDS + DVI or Dual HDMI + CRT/HDMI + LVDS + CRT Dual-channel 18/ 24-bit LVDS, One DVI Port Co-lay with VGA
Audio	
Chipset	Realtek ALC892 Supports 5.1-CH
Audio Interface	Mic-In, Line-In and Line-Out
Ethernet	
Chipset	1 x Intel® I210AT 1 x Intel® I217LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V ~ +19V
ACPI	Single Power ATX Supports S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)



Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (L x W)	4.5" x 6.5" (115mm x 165mm)
Weight	0.4lbs (0.18kg)
Certifications	
Certification Information	CE FCC Class A
Software Support	
OS Information	Win 7 Win 8 Linux

+ Ordering

EPI-QM87R-4422-A1R
EPIC-QM87RW/i5 4422E/6USB3.0/4COM/A1

EPI-QM87R-4110-A1R
EPIC-QM87R W/i3 4110E/6USB3.0/4COM/A1