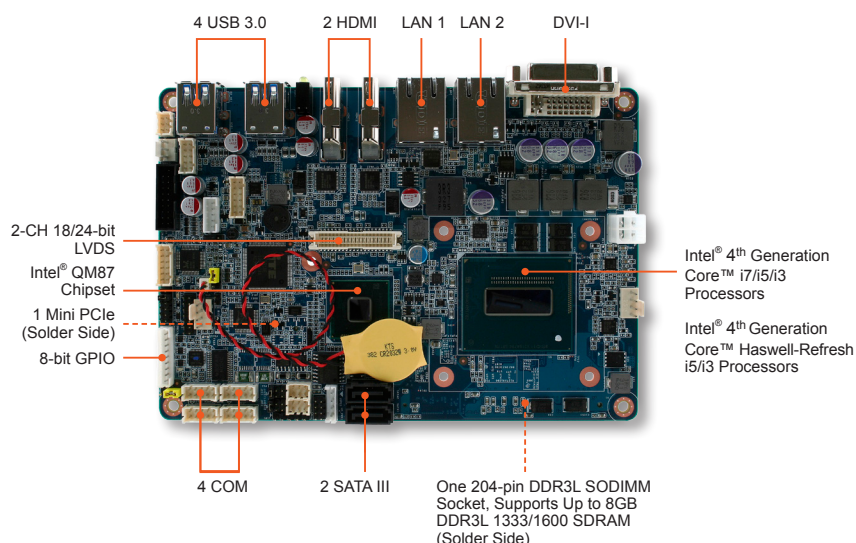




Features

- Onboard 4th Gen Intel® Core™ i7/i5/i3 BGA Processor
- One 204-Pin DDR3L SO-DIMM Up to 8GB DDR3 1333/ 1600 SDRAM
- Triple Independent Display
- 18/24-bit Dual-channel LVDS, 1 x DVI, 2 x HDMI
- Dual Gigabit Ethernet, HD Audio
- 2 x SATA III, 1 x Mini PCIe, 6 x USB 3.0, 2 x USB 2.0, 4 x COM, 8-bit GPIO
- Support mSATA, TPM 1.2 Function
- iAMT 9.0



Specifications

System

Processor	4 th Gen Intel® Core™ i7-4700EQ 4-Core 3.4GHz processor 4 th Gen Intel® Core™ i5-4422E, 2-Core 1.8GHz processor 4 th Gen Intel® Core™ i3-4110E, 2-Core 2.6GHz processor
System Chipset	Intel® QM87 Express Chipset
System Memory	1 x 204-Pin DDR3L 1333/1600MHz 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 & Storage

Expansion	1 x Mini PCIe Supports mSATA
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	6 x USB 2.0, 2 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 SPI, 1 x PS2/ KB & MS, 1 x IrDA

Display

Chipset	Intel® Valleyview SoC integrated Graphics 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-logy 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 Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	4.5" x 6.5" (115mm x 165mm)
Weight	0.4lbs (0.18kg)

Certification & Software Support

Certification	CE, FCC Class A
OS Information	Win 8, Win 7, Linux

Ordering Information

EPI-QM87-4700-A1R
EPIC-QM87W/i7 4700EQ/6USB3.0/4COM/A1
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