

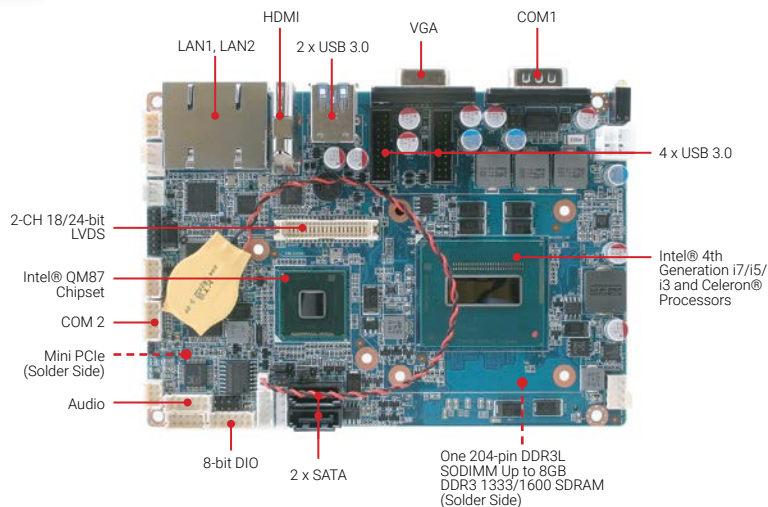
ECM-QM87

3.5" Single Board Computer

4th Gen. Intel® Core™ i7/i5/i3 Processor 3.5"
Micro Module with Intel® QM87 Chipset

Features

- Intel® 4th Generation Core™ i7/i5/i3 Processors
- Dual-channel 18/24-bit LVDS, HDMI, VGA
- Realtek ALC892 Supports 5.1-CH Audio
- Dual Gigabit Ethernet
- Triple Display
- 2 SATA III, 1 Mini PCIe Card (Support mSATA)
- 6 USB 3.0, 2 USB 2.0, 2 COM, 8-bit DIO
- Intel® Active Management Technology 9.0



Specifications

System

CPU	ECM-QM87-4700: Intel Core i7-4700EQ, 4-Core, 2.4GHz, 6M Cache ECM-QM87-4400: Intel Core i5-4400E, 2-Core, 2.7GHz, 3M Cache ECM-QM87-4102: Intel Core i3-4102E, 2-Core, 1.6GHz, 3M Cache
BIOS	AMI uEFI BIOS, 128 Mbit SPI Flash ROM
System Chipset	Intel® QM87 Chipset
System Memory	One 204-pin DDR3L SODIMM Socket Supports Up to 8 GB DDR3 1333/1600 SDRAM
Expansion	1 x Mini PCIe (mSATA Supported)

I/O

MIO	1 x RS-232, 1 x RS-232/422/485, LPC, 2 x SATA III
USB	6 x USB 3.0, 2 x USB 2.0
DIO	4-bit GPI, 4-bit GPO

Display

Chipset	Intel® Integrated Graphics
Resolution	VGA Mode: 1920 x 1200 @ 60Hz HDMI Mode: 1920 x 1200 @ 60Hz LVDS Mode: 1920 x 1080 @ 60Hz
Multiple Display	VGA + LVDS + HDMI
LCD Interface	Dual-channel 18/24-bit LVDS

Audio

HD Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN 1	1 x Intel® I210AT Gigabit Ethernet Controller
LAN 2	1 x Intel® I217LM Gigabit Ethernet PHY

Mechanical & Environment

Power Requirement	+12V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Form Factor	3.5" Single Board Computer (SBC)
Dimensions (L) x (W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Info

ECM-QM87-4700	Intel® Core™ i7-4700EQ, 4-Core, 2.4GHz, 6M Cache
ECM-QM87-4400	Intel® Core™ i5-4400E, 2-Core, 2.7GHz, 3M Cache
ECM-QM87-4102	Intel® Core™ i3-4102E, 2-Core, 1.6GHz, 3M Cache
AUX-056	USB 3.0 Daughter Board

* All product specifications and images are subject to change without notice.
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