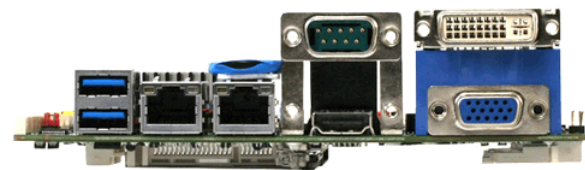
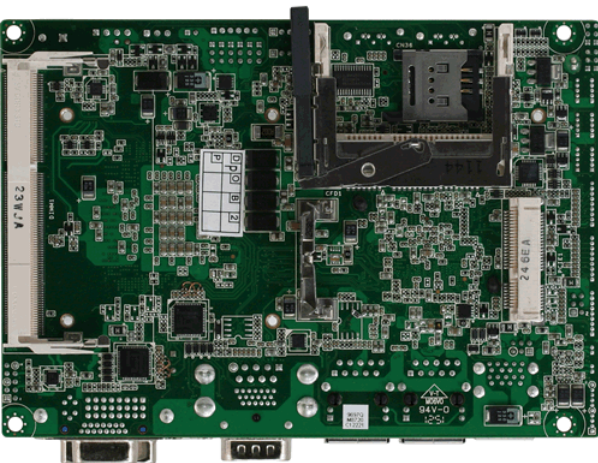
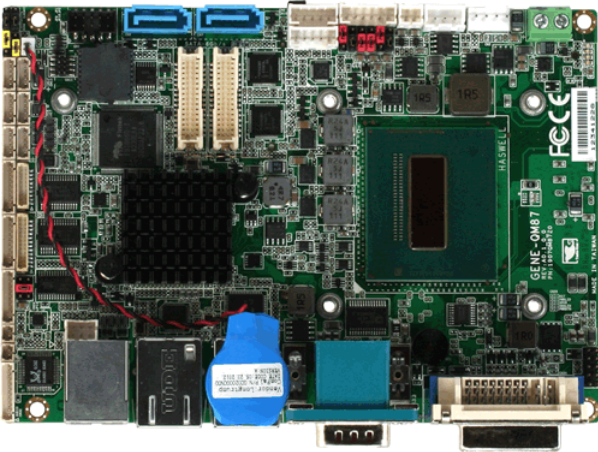


GENE-QM87



Up to 8GB DDR3L 1333/1600 MHz

3x RS-232, 1x RS-232/422/485

2x USB3.0, 6x USB 2.0 Ports

2x Gigabit Ethernet, RJ-45

CRT/DVI/LVDS/HDMI

Onboard 4/5/8-wire Resistive Touch Screen Controller

2x SATA 6.0 Gb/s (Optional RAID), 1x CFast™

1x Mini-Card or mSATA (set by jumper), LPC

HD 2 Channel Line-in, Line-out, Mic-in

8-bit GPIO

BIOS AMI BIOS - 16 MB SPI Flash

1x PS/2 Keyboard & Mouse

Watchdog Timer

Wake on LAN

Power Requirement +12V, AT/ATX

Power Consumption (Typical) Intel® Core™ i5-4402E 1.6 GHz, DDR3L 1600 8GB 2.73A@+12V

Operating Temperature 32°F ~ 140°F (0°C ~ 60°C)

Storage Temperature -40°F ~ 176°F (-40°C ~ 80°C)

Operating Humidity 0% ~ 90% R/H, non-condensing

5.75" x 4" (146mm x 101.6mm)

The GENE-QM87 supports Intel® 4th Generation Core™ i Series processors which when paired with the Intel® QM87 chipset offers a high performance computing platform with low power consumption. This new product supports 204-pin DDR3L SODIMM at speeds of 1333/1600 MHz, up to 8 GB. One CFast™ and two SATA 6.0Gb/s (Optional RAID) interfaces provide ample storages. With dual Gigabit Ethernet, four COM ports, two USB3.0 and six USB2.0, the GENE-QM87 meets the requirements of today's demanding applications. Display requirements are met with an abundance of interfaces such as CRT, HDMI, DVI-I and LCD. The graphic engine adopts Intel® QM87 to offer high definition display function. In addition, it supports up to triple view for two 24-bit Dual-Channel LVDS, one HDMI, one DVI and one CRT. With all of its integrated features, the GENE-QM87 strikes a balance of performance and price. This versatile product targets Industrial Automation, Entertainment, KIOSK/POS, Transportation, Banking, and Digital Signage.

Specifications

Single Board Computers 3.5 Inch
Processor

Onboard Intel® 4th Generation Core™ i5-4402E Intel® QM87

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI BIOS - 16 MB SPI Flash

Primary I/O
GPIO:

8-bit GPIO

SDIO:

4x COM

Disk Interface:

2x SATA 6.0 Gb/s (Optional RAID)

1x CFast™

Video Out:

CRT/DVI/LVDS/HDMI

Audio:

2 Channel HD Line-in

line-out

mic-in

Ethernet:

2x Gigabit Ethernet with RJ-45

USB:

2x USB3.0

6x USB 2.0 Ports

Serial Ports:

3x RS-232

1x RS-232/422/485

Watchdog:

Secondary I/O
LPC for:

Keypad:

PS/2:

Touch:

Onboard 4/5/8-wire Resistive Touch Screen Controller

Analog on
A/D:

D/A:

Dimensions
Dimensions:

5.75 × 4 in

Weight:

0.88 lb

Form Factor:

3.5 Inch SBC

Dimensions Misc.:

5.75" x 4" (146mm x 101.6mm)

Power Requirements
Voltage:

12 V

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Environmental Misc.:

0% ~ 90% relative humidity,

non-condensing

Pricing
GENE-QM87-A10-01

GENE-QM87-A10-01, i5-4402E 2x2.7GHz, SODIMM, mSATA, SATA, 4x COM, 2x USB3, 6x USB2, 2x GbE, Mini-PCle /w SIM, VGA,

HDMI, LVDS, 0°C ~ 60°C

\$954.67

Order:

0

Parent Product:

GENE-QM87-A10

GENE-QM87-A10, i5-4402E 2x2.7GHz, SODIMM, CFAST, mSATA, SATA, 4x COM, 2x USB3, 6x USB2, 2x GbE, Mini-PCle /w SIM,

Touch controller, VGA, HDMI, LVDS, DVI, 0°C ~ 60°C

\$962.67

Order:

0

Parent Product:

Memory:

SKU: PER-RAM-00161

PER-RAM-00161

\$30.00

Product State:

Testing

Variations:

4GB DDR3L 1.35V SODIMM

Status: Active

Call for Price:

SKU: PER-RAM-00165

PER-RAM-00165

\$35.00

Product State:

Final

Variations:

2GB DDR3L 1.35V SODIMM (Industrial Temp -40 to 85C)

Status: Active

Call for Price:

Source URL: <https://www.emacinc.com/content/gene-qm87>