



Features

- Industrial 5.25" Mini Module with Intel® 4th Generation ULT Processor Including Lynx Point (2 Die MCP)
- Onboard Intel® Haswell ULT Core i Processor Including Lynx Point
- 2 x 204-pin DDR3L SODIMM Up to 8GB 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



Specifications

System

CPU	Intel® 4 th Generation ULT 2 Cores BGA w/Integrated Lynx Point PCH (2 Die MCP) (Co-layout w/Core i7/i5/i3)
BIOS	AMI uEFI BIOS, 64/128 Mbit SPI Flash ROM iAMT 9.5 Supported
System Chipset	Intel® Lynx Point (2 Die MCP; Integrated in Processor)
I/O Chip	E/C IT8528E
System Memory	2 x 204-pin DDR3L SODIMM Up to 8GB Per DIMM
SSD	One CompactFlash Type I/II Socket
Watchdog Timer	Reset: 1sec. ~ 65535sec. and 1sec./step.
H/W Status Monitor	Monitoring System Temperature, Voltage, and Cooling Fan Status with Auto Throttling Control
Expansion	1 x mPCIe with SIM Slot 1 x mPCIe Supports mSATA

I/O

MIO	1 x HDMI, 1 x CF (via JMB36), 1 x Lockable DC Jack 2 x LAN, 2 x USB 3.0, 1 x COM (RS-232/422/485 Selected by BIOS), 1 x Line-out
USB	2 x USB 3.0 Type A (Including 2 x USB 2.0) 2 x USB 2.0 10-pin Box Wafer
DIO	16-bit General Purpose I/O for DI and DO
Touch Interface	1 x USB 2.0 (EETI ETP-CP-MER4485XRU Support 5 wire)

Display

Chipset	Intel® Lynx Point Integrated w/CPU
Resolution	HDMI: 4000 x 2000 @ 24Hz (Single Display) LVDS: 1920 x 1200 @ 60Hz
Multiple Display	Dual-display Supported: HDMI + LVDS
LCD Interface	1 x eDP via CH7511 Supports 24-bit Dual Channel LVDS

Touch Screen Interface

Chipset	EETI ETP-CP-S458XRU Support 4/5-wire
Touch Interface	1 x 5-pin 2.0mm Pin Header

Audio

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

Ethernet

LAN Chip	1 x Intel® I210 Gigabit Ethernet controller 1 x Intel® I218LM Gigabit Ethernet PHY
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V ~ +26V
Power Type	AT or ATX Mode
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	8" x 5.75" (203mm x 146mm)
Weight	0.55lb (0.25kg)

Ordering Information

EBM-QM87U

Intel® 4th Generation ULT Processor 5.25" Mini Module with Lynx Point Chipset