



## Features

- Onboard Intel® Atom™ Processor E3800 Family
- One 204-pin DDR3L SODIMM Socket, Supports Up to 8GB DDR3L 1066/1333MHz SDRAM
- Dual Display, Dual-channel 18/24-bit LVDS, HDMI
- HD Audio, Dual Gigabit Ethernet
- SATA II, 2 Mini PCIe, 1 USB 3.0, 7 USB 2.0, 6 COM, 1 CF-SATA/CF, 16-bit GPIO
- Fanless Operation

Embedded System

Qseven Module

COM Express /ETX/XTX

3.5" SBC

EPIC

5.25" SBC

ATX

Micro ATX

Mini ITX

Nano ITX

Rack Mount System

Mini ITX System

Peripherals

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## Specifications

### System

<b>CPU</b>	Intel® Atom™ Processor E3800 Family
<b>BIOS</b>	AMI uEFI BIOS, 64/128Mbit SPI Flash ROM
<b>System Chipset</b>	Valleyview SoC Integrated
<b>I/O Chip</b>	EC (IT8528E)
<b>System Memory</b>	One 204-pin DDR3 SODIMM Socket, Supports Up to 8GB DDR3L 1066/1333MHz SDRAM
<b>SSD</b>	One CompactFlash Type I/II Socket (Supports CF-SATA)
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec./min. and 1sec. or 1min. step
<b>H/W Status Monitor</b>	Monitoring System Temperature, Voltage, and Cooling Fan Status with Auto Throttling Control
<b>Expansion</b>	1 x mPCIe with SIM Slot 1 x mPCIe Supports mSATA

### I/O

<b>MIO</b>	SATA II, 2 Mini PCIe, 6 COM, 1 x CF-SATA/CF, 1 Mic/Line-in/Line-out, 2 LAN, 1 SIM
<b>USB</b>	1 USB 3.0, 7 USB 2.0
<b>DIO</b>	16-bit General Purpose I/O for DI and DO

### Display

<b>Chipset</b>	Valleyview SoC Integrated Graphics
<b>Resolution</b>	DP, eDP (2560 x 1600 @ 60 24bpp) HDMI 1.4a (1920 x 1200 @ 60 24bpp)
<b>Multiple Display</b>	HDMI + LVDS
<b>HDMI</b>	HDMI 1.4a
<b>LCD Interface</b>	LVDS

### Touch Screen Interface

<b>Chipset</b>	EETI
<b>Touch Interface</b>	With 5-pin 2.0mm Box Header Via HSIC USB 2.0 Interface (Can be Selected to Support 4/5-wire Touch Screen)

### Audio

<b>HD Codec</b>	Realtek ALC892 Supports 5.1-CH Audio
<b>Audio Interface</b>	Mic-in, Line-in, Line-out
<b>Audio Amplifier</b>	5W Amplifier

### Ethernet

<b>LAN Chip</b>	2 x Intel® I211AT Gigabit Ethernet Controller (Optional 1 x PS/2 Keyboard & Mouse)
<b>Ethernet Interface</b>	10/100/1000 Base-Tx Gigabit Ethernet Compatible

### Mechanical & Environmental

<b>Power Requirement</b>	+12V ~ 26V
<b>Power Type</b>	AT/ATX
<b>Operating Temperature</b>	0°C ~ 60°C (BayTrail-D/M) -40°C ~ 85°C (BayTrail-I)
<b>Storage Temperature</b>	-40 ~ 85°C (-40 ~ 185°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Size (L x W)</b>	8" x 5.75" (203mm x 146mm)
<b>Weight</b>	0.55lb (0.25kg)

## Ordering Information

EBM-BYT  
Intel® Atom™ E3845 Processor 5.25" Mini Module