



Features

- Intel® Maho Bay Platform
- Intel® B75 Chipset
- Two 204-pin DIMMs Socket Support Up to 16GB DDR3/ DDR3L (Jumper Selectable) 1333/ 1600 SDRAM
- DVI-D, HDMI, VGA
- Realtek ALC661 HD Audio Decoding Controller
- Dual Gigabit Ethernet
- 5 SATA II, 1 Mini PCIe
- 2 USB 3.0, 8 USB 2.0, 8 RS-232, 2 RS-422/ 485

Specifications

System

• CPU	Intel® Ivy Bridge Desktop LGA1155 (Socket H2) (Max. TDP at 65W)
• BIOS	AMI 64Mbit SPI BIOS
• System Chipset	Intel® Panther Point (Intel® B75 Chipset)
• I/O Chip	NuvoTon NUT6106D Support 6 COMs Fintek F81216AD for 4 COMs
• System Memory	Two 204-pin DIMMs Socket Support Up to 16GB DDR3/ DDR3L (Jumper Selectable) 1333/ 1600 SDRAM
• Watchdog Timer	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
• Buzzer	Buzzer Onboard
• Expansion	1 x Mini PCIe *Mini PCIe and mSATA SSD Switch Through Jumper

I/O

• MIO	5 SATA II, 1 mSATA, LPT, 1 PS2 KB/ MS
• Serial Port	RS-422/485 : COM2, COM10 RS-232 with 5V/12V : COM1, COM3 ~ COM6 RS-232 without Voltage : COM7 ~ COM9
• USB	2 x USB 3.0, 8 x USB 2.0
• DIO	1 x 12-pin Header for 8-bit General Purpose I/O

Audio

• Chipset	Realtek ALC661 HD Audio Decoding Controller
• Audio Interface	Mic-in, Line-out

Display

• Chipset	Intel® B75 Integrated
• Resolution	VGA/ DVI-D Display: 1920 x 1200 HDMI: 1080P
• Multi-Display	DVI-D, VGA, HDMI

Ethernet

• LAN Chip	2 x Realtek RTL8111E Gigabit Ethernet
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Mechanical & Environmental

• Power Requirement	+12V/ +5V/ +3.3V/ +5VSB
• Power Type	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)	6.69" x 6.69" (170mm x 170mm)
• Weight	0.88lbs (0.4Kg)

Ordering Information

• EMX-B75

Intel® Core™ i7/ i5/ i3/ Pentium®/ Celeron® Mini ITX Motherboard with Intel® B75 Chipset and VGA, DVI-D, HDMI, 1 x Mic-in, 1 x Line-in, 2 GbE, 1 Mini PCIe, 5 SATA II, 2 USB 3.0, 8 USB 2.0, LPT, 8 RS-232, 2 RS-422/ 485, 8-bit GPIO, 1 PS2 KB/ MS, w/ SATA Cable, Bracket/ CD Driver