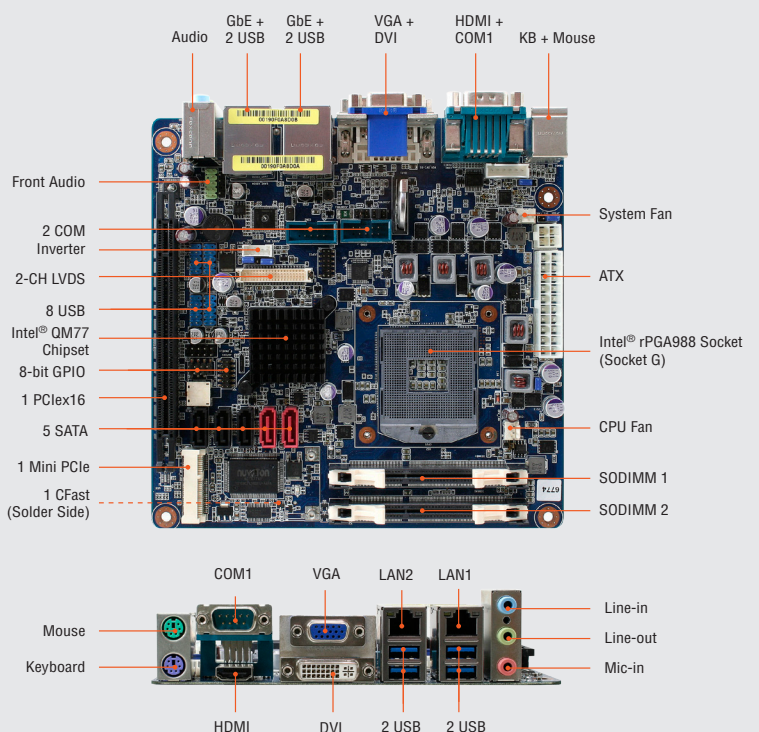




EMX-QM77

Intel® Ivy Bridge Mini ITX Motherboard with Intel® QM77 Chipset



Features

- Intel® rPGA988 (Socket G) for Intel® Ivy Bridge & Sandy Bridge Processors
- Intel® QM77 Chipset
- Two 204-pin DDR3 SODIMM Sockets Support Up to 16GB 1333/ 1600MHz SDRAM
- Dual-channel 18/ 24-bit LVDS, HDMI, VGA, DVI
- Realtek ALC892 HD Audio
- Dual Gigabit Ethernet
- 1 Mini PCIe, 1 PCIe16 Gen.3, 1 CFast
- 2 SATA III, 3 SATA II
- 4 USB 3.0, 8 USB 2.0, 3 COM, 8-bit DIO
- iAMT 8.0
- TPM 1.2

Intel® QM77	LVDS	HDMI	2 GbE	Mini PCIe
PCIe16	CFast	2 SATA III	3 SATA II	4 USB 3.0
8 USB 2.0	3 COM	8-bit DIO	iAMT 8.0	TPM 1.2

Specifications

System

• CPU	Intel® rPGA988 (Socket G) for Intel® Ivy Bridge & Sandy Bridge Processors
• BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
• System Chipset	Intel® QM77
• I/O Chip	NCT6776F + Fintek 81216AD
• System Memory	Two 204-pin DDR3 SODIMM Sockets Support Up to 16GB 1333/ 1600MHz SDRAM
• Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
• Expansion	1 x Mini PCIe, 1 x PCIe16 Gen.3, 1 x CFast
• S3/ S4	Yes (S1/ S3/ S4/ S5)
• Buzzer	Buzzer Onboard
• TPM	TPM 1.2 SLB9635

I/O

• MIO	2 COM RS-232 with Power (5V/ 12V, Internal), 1 COM RS-232 (Rear), 2 SATA III, 3 SATA II, 1 HDMI, 1 DVI-D, 1 VGA, 1 LVDS, 1 x Audio Jack, 2 LAN, 1 PS/2 Keyboard, 1 PS/2 Mouse
• USB	4 USB 3.0, 8 USB 2.0
• DIO	8-bit General Purpose I/O for 4-bit DI and 4-bit DO

Audio

• Audio Codec	Realtek ALC892 HD Audio Codec
• Audio Interface	Mic-in, Line-in and Line-out

Display

• Chipset	Integrated GFX
• Dual Display	VGA + LVDS, VGA + HDMI, VGA + DVI, LVDS + DVI, HDMI + DVI, HDMI + LVDS
• DVI	Onboard, Supports Max Resolution 2048 x 1536
• HDMI	Onboard, Supports Max Resolution 1920 x 1200
• VGA	Onboard, Supports Max Resolution 2048 x 1536
• LVDS	Onboard Dual-channel 18/ 24-bit LVDS Supports Max Resolution 1920 x 1200

Ethernet

• Chipset	1 x Intel® 82583V Gigabit Ethernet Controller 1 x Intel® 82579 Gigabit Ethernet PHY
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	ATX
• Power Type	3AT/ ATX Mode (Selectable by Jumper)
• ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
• Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	6.69" x 6.69" (170mm x 170mm)
• Weight	1.03lbs (0.47Kg)

Ordering Information

- **EMX-QM77-A1R**
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Mini ITX