



EMX-QM77

Intel® 3rd Generation Core™ i7/ i5/ i3 Mini ITX Motherboard with Intel® QM77 Express Chipset

- > Intel® rPGA988 Socket Supports Intel® 3rd Generation Core™ i7/i5/i3 Processors
- > Intel® QM77 Express Chipset
- > Two 204-pin SO-DIMM Sockets support up to 16GB Dual Channel, DDR3 1333/1600 MHz
- > VGA, HDMI, DVI, Dual-channel 18/24-bit LVDS
- > 1 x Intel® 82583V PCI-e Gigabit Ethernet
- > 1 x Intel® 82579LM PCI-e Gigabit Ethernet PHY
- > Realtek ALC892 Supports 5.1-CH HD Audio Codec
- > 1 x Mini PCI-e, 1 x PCI-e x 16, 1 x CFAST
- > 2 x SATA III, 3 x SATA II
- > 4 x USB 3.0, 8 x USB 2.0
- > 3 x RS-232, 1 x 8-bit GPIO
- > iAMT 8.0
- > TPM 1.2

Spec

System	
Processor	Intel® rPGA988 Socket Supports Intel® 3rd Generation Core™ i7/i5/i3 Processors
System Chipset	Intel® QM77 Express Chipset
System Memory	2 x 204-Pin DDR3 1333/1600 MHz SO-DIMM supports up to 16 GB
I/O Chip	NCT6776F
BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
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	
Expansion	1 x PCI-e x 16 1 x Mini PCI-e 1 x CFAST
I/O	
USB	4 x USB 3.0 8 x USB 2.0
SATA	2 x SATA III 3 x SATA II
COM Port	3 x RS-232
DIO	1 x 8-bit GPIO
MIO	1 x PS/2 Keyboard 1 x PS/2 Mouse
Other	TPM 1.2 SLB9635 1 x S/PDIF-out Header
Display	
Chipset	Intel® 2nd/ 3rd Generation CPU integrated VGA + LVDS, VGA + HDMI, VGA + DVI, HDMI + LVDS, HDMI + DVI, LVDS + DVI
Resolution	VGA: 2048 x 1536 @ 60Hz HDMI: 1920 x 1200 @ 60Hz LVDS: 1920 x 1200 @ 60Hz DVI: 1920 x 1200 @ 60Hz
Audio	
Chipset	Realtek ALC892 supports 5.1-CH
Audio Interface	Mic-in, Line-in and Line-out
Ethernet	
Chipset	1 x Intel® 82583V 1 x Intel® 82579LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V/+5V/5Vsb/+3.3V/-12V
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	1.03lbs (0.47kg)

Ordering

EMX-QM77-A1R
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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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