



## EAX-Q87R

Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors ATX Motherboard With Intel® Q87 Express Chipset

- > Intel® LGA1150 Socket Supports 4<sup>th</sup> Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors
- > Intel® Q87 Express Chipset (Co-lay C226 Chipset)
- > 4 x 240-pin DDR3 1333/1600 MHz DIMM supports up to 32GB
- > VGA, DP, DVI
- > Realtek ALC892 Supports 5.1-CH HD Audio Codec
- > 1 x Intel® I217LM PCIe Gigabit Ethernet PHY
- > 1 x Intel® I210AT PCIe Gigabit Ethernet
- > TI TPA3005D2 Stereo Class-D 6W x 2 Audio Amplifier
- > 1 x PCIe x 16, 4 x PCI (Support 5V), 1 x PCIe x 4, 1 x PCIe x 1

**+ Spec**

System	
<b>Processor</b>	Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors (Max. TDP at 95W)
<b>System Chipset</b>	Intel® Q87 Express Chipset (Co-lay C226 Chipset)
<b>System Memory</b>	4 x 240-Pin DDR3 1333/1600 MHz DIMM supports up to 32 GB
<b>I/O Chip</b>	Nuvoton NCT6776F
<b>BIOS</b>	AMI uEFI BIOS, 64Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec./min. 1sec. or 1min. Step
<b>H/W Status Monitor</b>	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	
<b>Expansion</b>	4 x PCI (Support 5V) 1 x PCIe x 16 1 x PCIe x 4 1 x PCIe x 1
I/O	
<b>USB</b>	9 x USB 2.0 4 x USB 3.0
<b>SATA</b>	6 x SATA III
<b>COM Port</b>	5 x RS-232 1 x RS-232/422/485
<b>DIO</b>	1 x 8-bit GPIO
<b>MIO</b>	1 x PS/2 Keyboard 1 x PS/2 Mouse
Display	
<b>Chipset</b>	Intel® 4th Generation CPU integrated VGA + DVI + DP
<b>Resolution</b>	VGA: 1920 x 1200 @ 60Hz DVI: 1920 x 1200 @ 60Hz DP: 3840 x 2160 @ 24Hz
Audio	
<b>Chipset</b>	1 x Realtek ALC892 supports 5.1-CH
<b>Audio Interface</b>	Mic-in, Line-in and Line-out
<b>Audio Amplifier</b>	TI TPA3005D2 Stereo Class-D 6W x 2 Audio Amplifier
Ethernet	
<b>Chipset</b>	1 x Intel® I210AT 1 x Intel® I217LM
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ-45
Mechanical & Environmental	
<b>Power Requirement</b>	+12V/+5V/5Vsb/+3.3V/-12V
<b>Power Type</b>	AT/ATX
<b>Operating Temp</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temp</b>	-20°C ~ 75°C (-4°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimension (L x W)</b>	12" x 9.6" (304.8 mm x 243.84 mm)
<b>Weight</b>	1.32lbs (0.6 kg)
Power Requirement	
<b>Power Requirement</b>	+12V/+5V/5Vsb/+3.3V/-12V

**+ Ordering**

EAX-Q87-A1R  
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