



EAX-Q87R

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

- › Intel® LGA1150 Socket Supports 4th Generation Core™ Refresh i7/ i5/ i3, Pentium® and Celeron® Processors
- › Intel® Q87 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
- › 6 x SATA III 4 x USB 3.0 9 x USB 2.0

Spec

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

Ordering

EAX-Q87R-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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