



EAX-Q170P

Intel® 6th Generation Core™ Processor ATX Motherboard With Intel® Q170 Chipset

- > Intel® 6th Generation Core™ Processor (Max. TDP at 95W)
- > Intel® Q170 Chipset
- > 4 x 288-pin DDR4 2133MHz DIMM socket, supports up to 64GB
- > VGA, HDMI, DP
- > 5 x SATA III, 1 x SATA III or 1 x mSATA III by auto switch IC
- > 1 x M.2 (2230) A-Key, support WiFi module
- > 1 x PCIe x 16, 1 x PCIe x 4, 1 x PCIe x 1, 1 x Mini PCIe, 4 x PCI
- > 6 x USB3.0, 6 x USB2.0, 5 x RS232, 1 x RS232/422/485
- > Support RAID 0, 1, 5, 10
- > Onboard Infineon SLB9665 support TPM 2.0
- > ATX/AT Power

Spec

System	
Processor	Intel® LGA1151 Socket Supports 6th Generation Core™ i7/ i5/ i3 & Pentium®/Celeron® Processors (Max. TDP at 95W)
System Chipset	Intel® Q170 Chipset
System Memory	4 x 288-pin DDR4 2133MHz DIMM supports up to 64GB
I/O Chip	Nuvoton® NCT6106D
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 5~255 seconds/5~255 minutes
H/W Status Monitor	CPU temperature monitoring, Voltages monitoring, CPU fan speed control
TPM	Onboard Infineon SLB9665 supports TPM 2.0
Board	ATX Board
Expansion	
Expansion	4 x PCI 1 x PCIe x 16 1 x PCIe x 4 1 x PCIe x 1 1 x M.2 (2230) A-Key, supports WiFi module 1 x SIM card slot 1 x Full/Half Size Mini-PCIe Supports mSATA (Auto switch IC)
I/O	
USB	4 x USB 3.0 2 x USB 2.0
SATA	5 x SATA III 1 x SATA III & 1 x mSATA III switch by auto switch IC
COM Port	5 x RS232 1 x RS232/422/485
DIO	1 x 8-bit GPIO
MIO	1 x PS/2 Keyboard or 1 x PS/2 Mouse
Display	
Chipset	Intel® 6th Generation CPU integrated
Resolution	VGA: 2048 x 1536 @ 50 Hz HDMI: 4096 x 2160 @ 24 Hz DP: 4096 x 2304 @ 60Hz
Multiple Display	Triple Display
Audio	
Chipset	Realtek ALC892 supports 5.1-CH
Audio Interface	Line-in, Mic-in, Line-out
Audio Amplifier	2 x 6W Amplifier
Ethernet	
Chipset	1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I211AT PCIe Gigabit Ethernet
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V/+5V/5VSB/+3.3V/-12V
ACPI	Single power ATX Support S0, S3, S4, S5
Power Type	AT/ATX
Operating Temperature	0~60°C (32~140°F)
Storage Temperature	-40 ~ 75°C
Operating Humidity	0%~90% relative humidity, non-condensing
Dimension (L x W)	12" x 9.6" (304.8mm x 243.84mm)
Weight	1.32lbs (0.6 kg)

Ordering

EAX-Q170P-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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