



EAX-Q170KP

Intel® 6/7th Generation Core™ Processor ATX
Motherboard With Intel® Q170 Chipset



- > Intel® 6/7th 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 PCI-e x16, 1 x PCI-e x4, 1 x PCI-e x1, 1 x Mini PCI-e, 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 Information

Processor	Intel® LGA1151 Socket Supports 6/7th Generation Core™ i7/ i5/ i3 & Pentium®/Celeron® Processors (Max. TDP at 95W)
Platform Controller Hub	Intel® Q170 Chipset
System Memory	4 x 288-pin DDR4 2133MHz DIMM supports up to 64GB
I/O Chipset	Nuvoton® NCT6106D
BIOS Information	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 PCI-e x16 1 x PCI-e x4 1 x PCI-e x1 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)
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I/O

USB Port	4 x USB 3.0 2 x USB 2.0
COM Port	5 x RS232 1 x RS232/422/485
SATA	5 x SATA III 1 x SATA III & 1 x mSATA III switch by auto switch IC
DIO	1 x 8-bit GPIO
MIO	1 x PS/2 Keyboard or 1 x PS/2 Mouse

Display

Graphic Chipset	Intel® 7th Generation CPU integrated
Spec. & Resolution	VGA: 2048 x 1536 @ 50 Hz HDMI: 4096 x 2160 @ 24 Hz DP: 4096 x 2304 @ 60Hz
Multiple Display	Triple Display

Audio

Audio Codec	Realtek ALC888S & ALC897 (co-lay)
Audio Interface	Line-in, Mic-in, Line-out
Audio Amplifier	2 x 6W Amplifier

Ethernet

LAN Chipset	1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I211AT PCI-e Gigabit Ethernet
LAN Port	2 x RJ-45

Mechanical & Environmental

Operating Temperature	0~60°C (32~140°F)
Storage Temperature	-40 ~ 75°C
Operating Humidity	40°C @ 95% relative humidity, non-condensing
Weight	1.32lbs (0.6 kg)
Power Requirement	+12V/+5V/5VSB/+3.3V/-12V
ACPI	Single power ATX Support S0, S3, S4, S5
Power Mode	AT/ATX
Dimension (L x W)	12" x 9.6" (304.8mm x 243.84mm)

Ordering Information



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EAX-Q170KP-B1R
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