



EAX-C246P

Intel® 8/9th Gen. Core™
i7/i5/i3/Pentium®/Celeron®/Xeon® E-2200/2100
Processor ATX Motherboard With Intel® C246
Chipset

- > Intel® 8/9th Generation Core™ i7/i5/i3/Pentium®/Celeron®/Xeon® E-2200/2100 Processor
- > Intel® C246 Chipset
- > 4 x 288-pin DDR4 2400/2666MHz DIMM socket, supports up to 128GB (ECC memory supported by CPU)
- > VGA, HDMI, DP++
- > 6 x SATA III
- > 1 x M.2 (2242/2260/2280) M-Key, support Intel RST, PCI-e x4 mode SSD
- > 1 x M.2 (2230) A-Key, support WiFi module
- > 2 x PCI-e x16 slot for 1 x PCI-e x16 or 2 x PCI-e x8 (By BOM option), 1 x PCI-e x4, 3 x PCI-e x1, 1 x PCI
- > 7 x USB3.0, 4 x USB3.1 Gen2, 2 x USB2.0, 8 x RS232, 2 x RS232/422/485 (COM 2 & 3 by BIOS selection)
- > Support RAID 0, 1, 5, 10
- > Onboard Infineon SLB9665 support TPM 2.0
- > ATX Power

+ Spec

System Information

Processor	Intel® LGA1151 Socket Supports 8/9th Generation Core™ i7/ i5/ i3 & / Intel® Xeon®Process(Workstation) / Pentium®/Celeron® Processors
Platform Controller Hub	Intel® C246 Chipset
System Memory	4 x 288-pin DDR4 2400/2666MHz DIMM supports up to 128GB (ECC memory supported by CPU)
I/O Chipset	Nuvoton® NCT6106D
BIOS Information	AMI uEFI BIOS, 256Mbit 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	1 x PCI 2 x PCI-e x16 slot for 1 x PCI-e x16 or 2 x PCI-e x8 (By BOM option) 1 x PCI-e x4 3 x PCI-e x1
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I/O

USB Port	4 x USB 3.1 Gen 2 4 x USB 3.1 Gen 1
COM Port	1 x COM at IO
SATA	6 x SATA III
DIO	1 x 16-bit GPIO
MIO	1 x PS/2 Keyboard or 1 x PS/2 Mouse
RS232	8 x RS232 2 x RS232/422/485 (COM2 & 3 by BIOS selection)
Internal I/O Connector	2 x USB 2.0 2 x USB 3.1 Gen 1 1 x USB 3.1 Gen 1 Vertical type A

Display

Graphic Chipset	Intel® 8/9th Generation CPU integrated
Spec. & Resolution	VGA: 2048 x 1536 @ 60 Hz HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600@ 30 Hz DP: 4096 x 2304@60Hz
Multiple Display	Triple Display

Audio

Audio Codec	Realtek ALC888S ALC897 (co-lay)
Audio Interface	1 x Line-in 1 x Mic-In, 1 x Line-out
Audio Amplifier	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-C246P-B1R

Intel® 8/9th Generation Core™ i7/i5/i3/Pentium®/Celeron® Processor ATX Motherboard With Intel® C246 Chipset

Intel® 8th Gen Supports LGA 1151 CPU Up to 95W Max.

Intel® 9th Gen Supports LGA 1151 CPU 4 core & 6 core CPU Up to 95W, but kindly note: with 8 core CPU, only support CPU up to 35W Max.