



## 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-

<b>Processor</b>	Intel® LGA1151 Socket Supports 8/9th Generation Core™ i7/ i5/ i3 & / Intel® Xeon®Process(Workstation) / Pentium®/Celeron® Processors
<b>Platform Controller Hub</b>	Intel® C246 Chipset
<b>System Memory</b>	4 x 288-pin DDR4 2400/2666MHz DIMM supports up to 128GB (ECC memory supported by CPU)
<b>I/O Chipset</b>	Nuvoton® NCT6106D
<b>BIOS Information</b>	AMI uEFI BIOS, 256Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 5~255 seconds/5~255 minutes
<b>H/W Status Monitor</b>	CPU temperature monitoring, Voltages monitoring, CPU fan speed control
<b>TPM</b>	Onboard Infineon SLB9665 supports TPM 2.0
<b>Board</b>	ATX Board

#### Expansion

<b>Expansion</b>	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

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

#### Display

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

#### Audio

<b>Audio Codec</b>	Realtek ALC888S ALC897 (co-lay)
<b>Audio Interface</b>	1 x Line-in 1 x Mic-In, 1 x Line-out
<b>Audio Amplifier</b>	2 x Stereo Class-D 2W Audio Amplifier

#### Ethernet

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

#### Mechanical & Environmental

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

#### Ordering Information



**Ordering Information**

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.