



## 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

**Spec**

System	
<b>Processor</b>	Intel® LGA1151 Socket Supports 8th Generation Core™ i7/ i5/ i3 & / Intel® Xeon®Process(Workstation) / Pentium®/Celeron® Processors
<b>System Chipset</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 Chip</b>	Nuvoton® NCT6106D
<b>BIOS</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 1 x M.2 (2242/2260/2280) M-Key, supports Intel RST, PCI-e x4 mode SSD 1 x M.2 (2230) A-Key, supports WiFi module
I/O	
<b>USB</b>	4 x USB 3.0 4 x USB 3.1 Gen2
<b>SATA</b>	6 x SATA III
<b>COM Port</b>	8 x RS232 2 x RS232/422/485 (COM2 & 3 by BIOS selection)
<b>DIO</b>	1 x 16-bit GPIO
<b>MIO</b>	1 x PS/2 Keyboard or 1 x PS/2 Mouse
Display	
<b>Chipset</b>	Intel® 8th Generation CPU integrated
<b>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>Chipset</b>	Realtek ALC892
<b>Audio Interface</b>	Line-in, Mic-in, Line-out
<b>Audio Amplifier</b>	6W Amplifier
Ethernet	
<b>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>Power Requirement</b>	+12V/+5V/5VSB/+3.3V/-12V
<b>ACPI</b>	Single power ATX Support S0, S3, S4, S5
<b>Power Type</b>	AT/ATX
<b>Operating Temperature</b>	0~60°C (32~140°F)
<b>Storage Temperature</b>	-40 ~ 75°C
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing
<b>Dimension (L x W)</b>	12" x 9.6" (304.8mm x 243.84mm)



<b>Weight</b>	1.32lbs (0.6 kg)
---------------	------------------

**+ Ordering**

EAX-C246P-A11R  
Intel® 8/9th Generation Core™ i7/i5/i3/Pentium®/Celeron® Processor ATX Motherboard With Intel® C246 Chipset

## 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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660