



## 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                     |                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                  | Intel® LGA1151 Socket Supports 8th Generation Core™ i7/ i5/ i3 & / Intel® Xeon®Process(Workstation) / Pentium®/Celeron® Processors                                                                                                   |
| System Chipset             | Intel® C246 Chipset                                                                                                                                                                                                                  |
| System Memory              | 4 x 288-pin DDR4 2400/2666MHz DIMM supports up to 128GB (ECC memory supported by CPU)                                                                                                                                                |
| I/O Chip                   | Nuvoton® NCT6106D                                                                                                                                                                                                                    |
| BIOS                       | 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<br>2 x PCI-e x16 slot for 1 x PCI-e x16 or 2 x PCI-e x8(By BOM option)<br>1 x PCI-e x4<br>3 x PCI-e x1<br>1 x M.2 (2242/2260/2280) M-Key, supports Intel RST, PCI-ex4 mode SSD<br>1 x M.2 (2230) A-Key, supports WiFi module |
| I/O                        |                                                                                                                                                                                                                                      |
| USB                        | 4 x USB 3.0<br>4 x USB 3.1 Gen2                                                                                                                                                                                                      |
| SATA                       | 6 x SATA III                                                                                                                                                                                                                         |
| COM Port                   | 8 x RS232<br>2 x RS232/422/485 (COM2 & 3 by BIOS selection)                                                                                                                                                                          |
| DIO                        | 1 x 16-bit GPIO                                                                                                                                                                                                                      |
| MIO                        | 1 x PS/2 Keyboard or 1 x PS/2 Mouse                                                                                                                                                                                                  |
| Display                    |                                                                                                                                                                                                                                      |
| Chipset                    | Intel® 8th Generation CPU integrated                                                                                                                                                                                                 |
| Resolution                 | VGA: 2048 x 1536 @ 60 Hz<br>HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600@ 30 Hz<br>DP: 4096 x 2304 @ 60Hz                                                                                                                                  |
| Multiple Display           | Triple Display                                                                                                                                                                                                                       |
| Audio                      |                                                                                                                                                                                                                                      |
| Chipset                    | Realtek ALC892                                                                                                                                                                                                                       |
| Audio Interface            | Line-in, Mic-in, Line-out                                                                                                                                                                                                            |
| Audio Amplifier            | 6W Amplifier                                                                                                                                                                                                                         |
| Ethernet                   |                                                                                                                                                                                                                                      |
| Chipset                    | 1 x Intel® I219LM Gigabit Ethernet PHY<br>1 x Intel® I211AT PCI-e 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)                                                                                                                                                                                                      |



|               |                  |
|---------------|------------------|
| <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