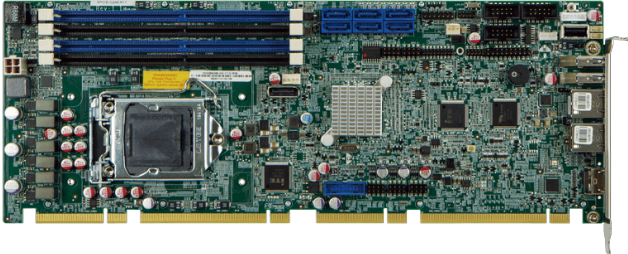


SPCIE-C246

Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Xeon® E, Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU per Intel® C246, ECC & non-ECC DDR4, HDMI™, DP, Dual Intel® PCIe GbE, USB 3.1 Gen 1, SATA 6Gb/s, M.2, HD Audio, Intel® AMT and RoHS



Features

- » PICMG 1.3 full-size CPU card
- » LGA1151 Intel® Xeon® E, 8th/9th generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor supported
- » Dual-channel DDR4 2666MHz
- » Support HDMI™ and internal DP display
- » Intel® PCIe GbE with Intel® AMT 11.0 supported
- » Support M.2 M key for storage (PCIe x4)
- » Supports RAID 0, 1, 5, 10 function via SATA 6Gb/s

Specifications

| | |
|--------------------------|--|
| System | |
| CPU | LGA1151 socket supports Intel® Xeon® E, 8th generation Core™ i7/i5/i3, Pentium® or Celeron® processor |
| Chipset | Intel® C246 |
| Memory | Four 288-pin 2666MHz dual-channel DDR4 SDRAM unbuffered DIMMs ECC & non-ECC (C246) |
| Memory Max. | 64GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 338 X 126 |
| Net Weight | 500 |
| Storage | |
| Storage | 6 x SATA :6Gb/s (RAID 0/1/5/10 supported) 1 x M.2(NGFF) :M key |
| I/O Interface | |
| Display Output | 1 x HDMI™ :up to 4096x2304@30Hz 1 x Display Port :up to 4096x2304@60Hz |
| Ethernet | 2 x LAN :1 x Intel® I219LM PHY 1 x: Intel® I211-AT PCIe controller (Co-lay I210-AT) |
| Audio | Description: Support 7.1 channel HD Audio by IEI AC-KIT-892HD kit |
| I/O Interface | 3 x Internal RS-232 :2x5 pin, P=2.54 1 x Internal RS-422/485 :1x4 pin, P=2.0 1 x External USB 2.0 :Type A 180° 6 x Internal USB 2.0 :2x4 pin, P=2.54 1 x PS/2 :1x6 pin |
| Expansion | 1 x PCIe x16 :signal via golden finger 4 x PCIe x1 :signal via golden finger 4 x PCI Slot :signal via golden finger |
| Other Features | |
| TPM | 2x10 pin |
| Power | |
| Power Consumption | 5V@3.12A, 12V@6.85A, 3.3V@1.13A, 5VSB@0.15A (4.0 GHz Intel® Core™ i7-8700K CPU with four 16 GB 2666 MHz DDR4 memory) |
| Power Supply | Support AT/ATX mode |

| | |
|-----------------------|--------------------------|
| | ErP/EuP Compliant |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|----------------|---|
| SPCIE-C246-R11 | Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Xeon® E, Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU per Intel® C246, ECC & non-ECC DDR4, HDMI™, DP, Dual Intel® PCIe GbE, M.2, USB 3.2, SATA 6Gb/s, HD Audio, iAMT and RoHS |
|----------------|---|

Packing List

| | |
|--------------------------------------|------------------------------------|
| 1 x SPCIE-C246 single board computer | 1 x Mini jumper pack |
| 1 x SATA cable | 1 x QIG (Quick Installation Guide) |