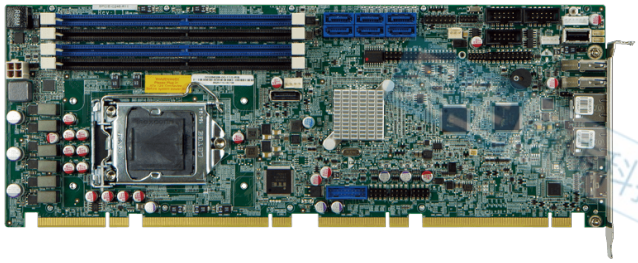
SPCIE-C246

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)

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