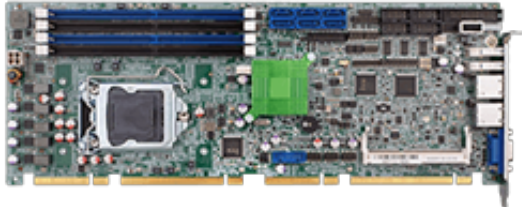


PCIE-Q170

Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU per Intel® Q170



Features

- » PICMG 1.3 full-size CPU Card
- » LGA 1151 Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » Four 288-pin DDR4 UDIMM 1867/2133MHz Dual-Channel supports up to 64GB
- » Supports dual independent display by VGA & internal DP pin header
- » Supports mini-PCIe device & mSATA via mini-PCIe socket
- » Intel® PCIe GbE with Intel® AMT 11.0 supported
- » Supports RAID 0, 1, 5, 10 function via SATA 6Gb/s
- » TPM 1.2 & 2.0 hardware security function supported by TPM module

Specifications

| System | |
|--------------------------|--|
| CPU | LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor |
| Chipset | Intel® Q170 |
| Memory | Four 288-pin 1866/2133 MHz dual-channel unbuffered DDR4 DIMMs |
| Memory Max. | 64GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 338 X 126 |
| Net Weight | 420g |
| Storage | |
| Storage | 6 x SATA :RAID 0/1/5/10 supported 1 x mSATA :SATA & USB signal |
| I/O Interface | |
| Display Output | 1 x VGA :up to 1920x1200@60Hz 1 x iDP :for HDMI™, LVDS, VGA, DVI and DisplayPort (up to 3840x2160@60Hz) |
| Ethernet | 2 x LAN :LAN1: Intel® I219LM Clarkville-V with Intel® AMT 11.0 supported; LAN2: Intel® I210 PCIe controller; |
| Audio | Description: Support 7.1 channel HD audio by IEI AC-KIT-892HD kit |
| I/O Interface | 2 x Internal RS-232 :2x5 pin, P=2.54 2 x Internal RS-232/422/485 :2x5 pin, P=2.54 2 x External USB 3.2 Gen1x1 7 x Internal USB 2.0 :1 X 180° Type-A, 6 X 2x4 pin, P=2.54 2 x Internal USB 3.2 Gen1x1 :2x10 pin 1 x LPT :2x13 pin |
| Expansion | Description: » 16-lane PCIe link from CPU via golden finger: Supports one PCIe x16, or two PCIe x8, or one PCIe x8 + two PCIe x4 on the backplane (configured via BIOS); » 4-lane PCIe link from PCH via golden finger: Supports four PCIe x1 slots or one PCIe x4 slot on the backplane (configured via BIOS switch); 4 x PCI Slot 1 x PCIe mini Card Slot :Full/Half-size |

| | |
|-----------------------|--|
| Other Features | |
| TPM | 2x10 pin |
| Power | |
| Power Consumption | 5V@3.12A, 12V@6.85A, 3.3V@1.13A, 5VSB@0.15A |
| | (Intel® Core™ i7-6700K 4.0GHz CPU with 64GB (16GB x 4) 2133 MHz DDR4 memory) |
| Power Supply | 5V/12V, AT/ATX support |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|---------------|---|
| PCIE-Q170-R10 | Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU per Intel® Q170, DDR4, VGA/IDP, Dual Intel® PCIe GbE, USB3.0, SATA 6Gb/s, PCIe mini, mSATA, HD Audio, iAMT and RoHS |
|---------------|---|

Packing List

| | |
|-------------------------------------|----------------------|
| 1 x PCIE-Q170 single board computer | 1 x Mini jumper pack |
| 1 x SATA cable | 1 x QIG |