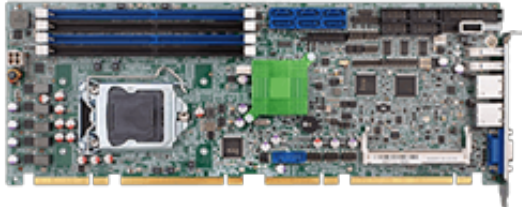


# PCIE-Q170

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
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## Packing List

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