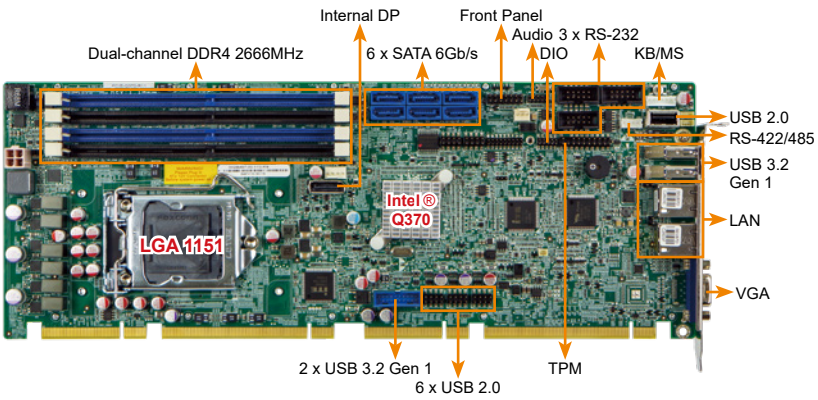
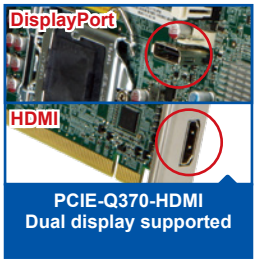
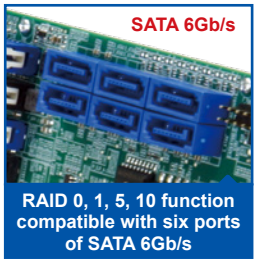
PCIE-Q370

Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Core™ i9/i7/i5/i3/Pentium®/ Celeron® CPU per Intel® Q370, DDR4, VGA, Dual Intel® PCIe GbE, SATA 6Gb/s, USB 3.2 Gen 1 (5Gb/s), M.2, HD Audio, Intel® AMT and RoHS

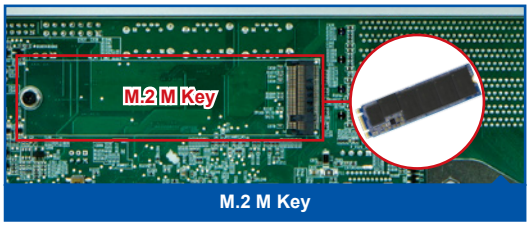




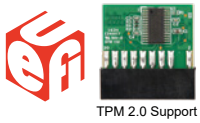
PCIE-Q370-HDMI
Dual display supported



RAID 0, 1, 5, 10 function compatible with six ports of SATA 6Gb/s



M.2 M Key


TPM 2.0 Support

Specifications

- CPU
  LGA1151 socket supports 8th/9th generation Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor
- Chipset
  Intel® Q370
- Memory
  Four 288-pin 2666MHz dual-channel DDR4 SDRAM unbuffered DIMMs support up to 64GB
- BIOS
  AMI UEFI BIOS
- Graphic Engine
  Intel® HD Graphics Gen 9 Engines with Low power 16 execution unit, supports DX2015, OpenGL 5.X and OpenCL2.x, ES 2.0
- Display Output
  » PCIE-Q370-R11
  Dual display supported
  1 x VGA (up to 1920 x 1080@60Hz) 1 x Internal DP (up to 4096 x 2304@60Hz)
  » PCIE-Q370-HDMI-R11**
  Dual display supported
  1 x HDMI (up to 4096 x 2304@30Hz) 1 x Internal DP (up to 4096 x 2304@60Hz)
- Ethernet
  LAN1: Intel® I219LM PHY
  LAN2: Intel® I211-AT PCIe controller (Co-lay I210-AT)
- External I/O Interface
  2 x USB 3.2 Gen 1 (5Gb/s) (Rear IO Type-A)
  1 x USB 2.0 (Type-A 180°)
- Internal I/O Interface
  1 x KB/MS (1x6 pin) 3 x RS-232 (2x5 pin, P=2.54)
  1 x RS-422/485 (1x4 pin, P=2.0) 6 x SATA 6Gb/s (RAID 0/1/5/10 supported)
  2 x USB 3.2 Gen 1 (5Gb/s) (2x10 pin) 6 x USB 2.0 (2x4 pin, P=2.54)
- Audio
  Support 7.1 channel HD Audio by IEI AC-KIT-888S-R10 kit
- Front Panel
  1 x Front panel (Power LED, HDD LED, Speaker, Power Button, Reset Button)
- LAN LED
  2 x LAN LED (1x2 pin)
- TPM
  1 x TPM (2x10 pin)
- SMBus
  1 x SMBus (1x4 pin)
- I²C
  1 x I²C (1x4 pin)
- Expansion
  1 x M.2 M key (2280, PCIe Gen3 x4)
  1 x PCIe x16 & 4 x PCIe x1 signal via golden finger
  4 x PCI signal via golden finger
- Watchdog Timer
  Software programmable support 1~255 sec. system reset
- Digital I/O
  8-bit digital I/O (2x5 pin)
- Fan Connector
  1 x CPU smart fan (1x4 pin)
  1 x System smart fan (1x3 pin)
- Power Supply
  AT/ATX power supply
  Support AT/ATX mode
  ErP/EuP Compliant
- 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)
- Operating Temperature
  -20°C ~ 60°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Diemension: 338 mm x 126 mm
- Weight: GW: 1000g / NW: 500g
- CE/FCC compliant

Features

- PICMG 1.3 full-size CPU card
- LGA1151 Intel® 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor supported
- Dual-channel DDR4 2666MHz
- Support VGA/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

Packing List

1 x PCIE-Q370 single board computer	1 x Mini jumper pack
1 x SATA cable	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
PCIE-Q370-R12	Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU per Intel® Q370, DDR4, VGA, DP, Dual Intel® PCIe GbE, USB 3.2 Gen 1, SATA 6Gb/s, M.2, HD Audio, iAMT and RoHS
PCIE-Q370-HDMI-R12**	Full-size PICMG 1.3 CPU Card supports LGA1151 Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU per Intel® Q370, DDR4, HDMI, DP, Dual Intel® PCIe GbE, USB 3.2 Gen 1, SATA 6Gb/s, M.2, HD Audio, iAMT and RoHS
19800-000075-RS	PS/2 KB/MS cable with bracket, 220mm, P=2.0
19800-000100-100-RS	Cable module, USB cable, 6, 300mm, 28AWG, (A) USB A type female*4, (B) Dupont 2X4P P=2.54 female*2, ONE PCS PKG w/ label, with bracket, RoHS
19800-010500-200-RS	Cable module, USB 3.0 internal cable+bracket, 3, 450mm, 30AWG, (A) USB 3.0 20pin P=2.0, (B) USB 9pin A type female*2, bracket+M3 screw*2, lotes, RoHS
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
32205-000702-200-RS	RS-232 cable, 230mm, P=2.54
32205-003800-300-RS	RS-422/485 cable, 200mm, P=2.0
AC-KIT-888S-R10	Realtek ALC888S 7.1 Channel HD Audio peripheral board,RoHS
CB-USB02-RS	Dual ports USB cable with bracket
CF-1150SA-R10	Special cooler kit for LGA1150, High-performance compatible, 95W
CF-1150SB-R11	Special cooler kit for LGA1150, High-performance compatible, 65W
CF-1150SC-R20	Special cooler kit for LGA1150, 1U chassis compatible, 65W
CF-1150SE-R11	Special cooler kit for LGA1150, high-performance compatible, 95W

**By order production, MOQ: 100