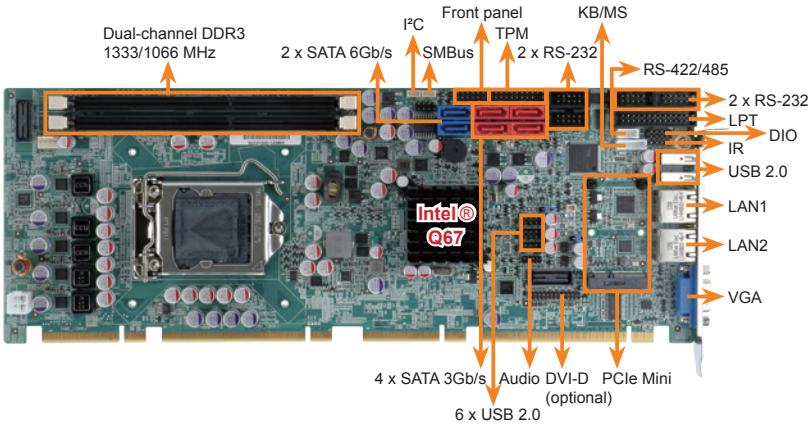
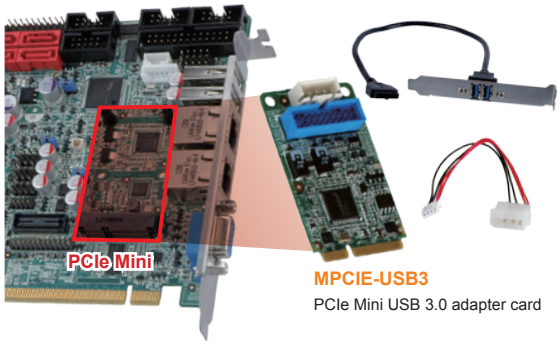
PCIE-Q670-R20

Full-size PICMG 1.3 CPU Card supports LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® Q67, DDR3, VGA, DVI-D, Dual Intel® PCIe GbE, SATA 6Gb/s, PCIe Mini, HD Audio and RoHS





MPCIE-USB3
PCIe Mini USB 3.0 adapter card

The PCIe Mini interface provides PCIe x1 and USB 1.1/2.0 signal for full-size or half-size devices such as PCIe Mini USB 3.0 adapter card (MPCIE-USB3) or wireless LAN cards.

One Key Recovery · RAID · DDR3 1333 · SATA 6Gb/s · PCIe GbE

TPM 1.2 Support

IO-KIT-001-R20
DVI cable included in DVI model

Specifications

- CPU
  LGA 1155 socket supports Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor
- Chipset
  Intel® Q67
- Memory
  Two 240-pin 1333/1066 MHz dual-channel unbuffered DDR3 & DDR3L SDRAM DIMMs support up to 16 GB
- BIOS
  UEFI BIOS
- Graphics Engine
  Intel® HD Graphics Gen 6 supports DX10.1 and OpenGL 3.0
  Full MPEG2, VC1, AVC Decode
- Display Output
  1 x VGA (up to 2048x1536@75Hz)
  1 x DVI-D (via header to IO-KIT-001-R20 DVI-D/USB module) (optional)
- Ethernet
  LAN1: Intel® 82583V PCIe controller
  LAN2: Intel® 82579 PHY with Intel® AMT 7.0 support
- External I/O Interface
  2 x USB 2.0
- Internal I/O Interface
  1 x KB/MS (1x6 pin)
  1 x LPT (2x13 pin)
  1 x RS-422/485 (1x4 pin, P=2.0)
  2 x SATA 6Gb/s (RAID 0/1/5/10 supported)
  4 x RS-232 (2x5pin, P=2.54)
  4 x SATA 3Gb/s (RAID 0/1/5/10 supported)
  4 x USB 2.0 (Golden finger)
  6 x USB 2.0 (2x4 pin, P=2.54)
- Front Panel
  1 x Front panel connector (2x7 pin, power LED, HDD LED, speaker, power button, reset button)
- Audio
  Supports 7.1-channel HD Audio by IEI AC-KIT-892HD-R10 kit
- TPM
  1 x TPM (2x10 pin)
- SMBus
  1 x SMBus (1x4 pin)
- Infrared Interface
  1 x Infrared Interface (1x5 pin)
- Expansion
  PCIe signal and PCI signal via golden finger
  1 x Full/Half-size PCIe mini card slot
- Watchdog Timer
  Software programmable supports 1~255 sec. system reset
- Digital I/O
  8-bit digital I/O (2x5 pin)
- Fan Connector
  1 x Smart fan (1x4 pin)
- Power Supply
  AT/ATX power supply supported
- Power Consumption
  5V@3.45A, 12V@0.32A, Vcore_12V@5.24A, 3.3V@1.69A, 5VSB@0.17A
  (3.4GHz Intel® Core™ i7-2600K with two 2 GB 1333 MHz DDR3 memory)
- Operating Temperature
  -10°C ~ 60°C
- Storage Temperature
  -20°C ~ 70°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  338 mm x 126 mm
- Weight
  GW: 1200g / NW: 420g

Features

- PICMG 1.3 full-size graphics grade solution
- LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processors supported
- Up to 16 GB 1333 MHz dual-channel DDR3 SDRAM
- Supports dual independent display by VGA and DVI-D (DVI model)
- Supports PCIe Mini expansion
- Intel® PCIe GbE with Intel® AMT 7.0 support
- Supports SATA 6Gb/s
- Supports RAID function via SATA 6Gb/s and SATA 3Gb/s
- TPM v1.2 hardware security provided by the TPM module
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x PCIE-Q670 single board computer	
1 x Dual RS-232 cable	
1 x USB cable	1 x Mini jumper pack
4 x SATA cable	1 x QIG
1 x One Key Recovery CD	1 x Utility CD

Ordering Information

Part No.	Description
PCIE-Q670-R20	Full-size PICMG 1.3 CPU card supports LGA 1155 32nm Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® Q67, DDR3, VGA, dual Intel® PCIe GbE, SATA 6Gb/s, PCIe Mini, HD Audio and RoHS
PCIE-Q670-DVI-R20	Full-size PICMG 1.3 CPU card supports LGA 1155 32nm Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® Q67, DDR3, DVI-D, dual Intel® PCIe GbE, SATA 6Gb/s, PCIe Mini, HD Audio and RoHS
19800-000049-RS	LPT flat cable, 240mm, P=2.54
19800-000075-RS	PS/2 KB/MS cable with bracket, 220mm, P=2.0
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
32205-003800-300-RS	RS-422/485 cable, 200mm, P=2.0
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
CF-1156A-RS-R11	High-performance LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 73W
CF-1156C-RS	LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 65W
CF-1156E-R11	High-performance LGA 1155/LGA 1156 cooler kit, 95W
CPU-DT-C-G440	Intel® Celeron® G440 processor, LGA 1155, single core 1.6GHz, 1M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-i3-2120T	Intel® Core™ i3-2120T processor, LGA 1155, dual core 2.6GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-i5-2390T	Intel® Core™ i5-2390T processor, LGA 1155, dual core 2.7GHz, 3M cache, 35W, AMT, compatible with CF-1156C-RS CPU cooler
CPU-DT-i5-2500T	Intel® Core™ i5-2500T processor, LGA 1155, quad core 2.3GHz, 6M cache, 45W, compatible with CF-1156C-RS CPU cooler
CPU-DT-P-G630T	Intel® Pentium® G630T processor, LGA 1155, dual core 2.3GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
SAIDE-KIT01-R10	SATA to IDE/CF converter board