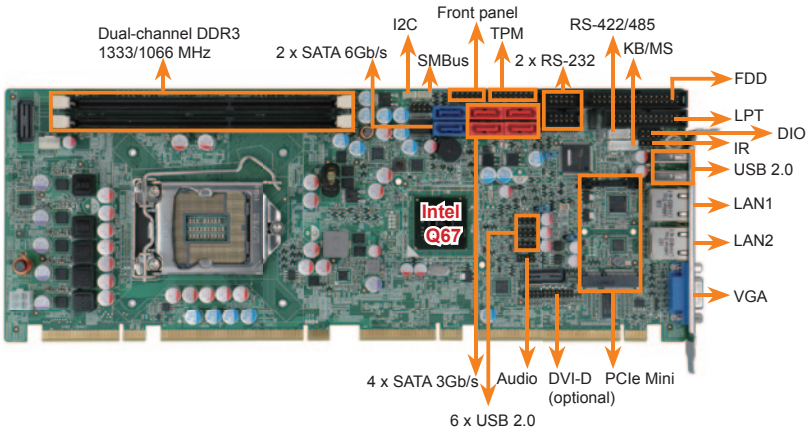
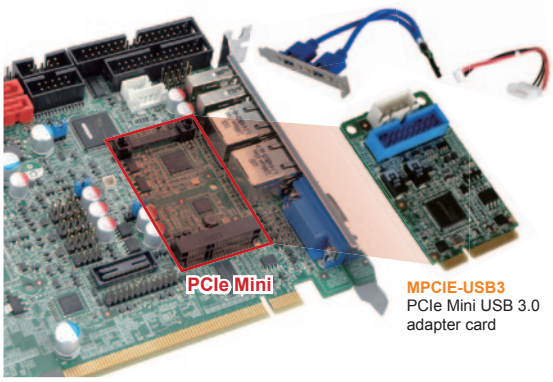
PCIE-Q670

Full-size PICMG 1.3 CPU Card Supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/ 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.

TPM 1.2 Support

IO-KIT-001
DVI cable included in DVI model

Specifications

- CPU
  LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- PCH
  Intel® Q67
- Memory
  Two 240-pin 1066/1333MHz dual-channel unbuffered DDR3 SDRAM DIMM supported (system max. 16GB)
- BIOS
  UEFI BIOS
- Graphics Engine
  Support for DX10.1 and OpenGL 3.0
  Full MPEG2, VC1, AVC Decode
- Display Output
  VGA integrated in Intel® Q67 (rear I/O)
  DVI-D integrated in Intel® Q67 (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
- Super I/O
  Fintek F81866
- I/O Interface
  2 x RS-232 1 x RS-422/485
  1 x LPT 1 x FDD
  8 x USB 2.0 (2 by rear IO, 6 by on-board pin header)
  1 x 6-pin wafer for KB/MS
  4 x SATA 3Gb/s (RAID 0/1/5/10 supported)
  2 x SATA 6Gb/s (RAID 0/1/5/10 supported)
- Front Panel
  1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- Audio
  Supported by IEI AC-KIT-888HD audio kit
- TPM
  1 x 20-pin header
- SMBus
  1 x 4-pin wafer
- Infrared Interface
  1 x 5-pin header
- Expansions
  PCIe signal and PCI signal via golden finger
  1 x PCIe Mini slot (with USB 1.1/2.0 signal)
- Watchdog Timer
  software programmable support 1~255 sec. system reset
- Digital I/O
  8-bit digital I/O (4-bit input, 4-bit output)
- Fan Connector
  1 x 4-pin smart fan connector
- Power Supply
  AT/ATX power supply supported
- Power Consumption
  TBD
- Operating Temperature
  -10°C ~ 60°C
- Operating Humidity
  5% ~95%, non-condensing
- Dimensions
  338 mm x 126 mm
- Weight
  GW: 1200g / NW: 420g

Features

1. PICMG 1.3 full-size graphics grade solution
2. LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® processors supported
3. Up to 16 GB 1333 MHz dual-channel DDR3 SDRAM
4. Supports dual independent display by VGA and DVI-D (DVI model)
5. Supports PCIe Mini expansion
6. Intel® PCIe GbE with Intel® AMT 7.0 support
7. Supports SATA 6Gb/s
8. Supports RAID function via SATA 6Gb/s and SATA 3Gb/s
9. TPM V1.2 hardware security provided by the TPM module
10. 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 (P/N: 19800-000051-RS)	
4 x SATA Cable (P/N: 32000-0628000-RS)	
1 x KB/MS Y Cable (P/N: 32000-133200-RS)	
1 x USB Cable (P/N: CB-USB02-RS)	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
PCIE-Q670-R10	Full-size PICMG 1.3 CPU Card Supports LGA1155 32nm Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® Q67, DDR3, VGA, Dual Intel® PCIe GbE, SATA 6Gb/s, PCIe Mini, HD Audio and RoHS
PCIE-Q670-DVI-R10	Full-size PICMG 1.3 CPU Card Supports LGA1155 32nm Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® Q67, DDR3, DVI-D, Dual Intel® PCIe GbE, SATA 6Gb/s, PCIe Mini, HD Audio and RoHS
32200-074800-RS	RS-422/485 cable, 200mm
19800-000075-RS	KB/MS cable with bracket
SAIDE-KIT01-R10	SATA to IDE/CF converter board
32102-000100-200-RS	SATA power cable
32200-000017-RS	FDD flat cable
32200-015100-RS	LPT cable
AC-KIT-888HD-R10	7.1 channel HD Audio kit with Realtek ALC888 supports dual audio streams
CPU-DT-i5-2500T	Intel® Core™ i5-2500T processor, LGA1155, Quad core 2.3GHz, 6M Cache, 45W, compatible with CF-1156C-RS CPU cooler
CPU-DT-i5-2390T	Intel® Core™ i5-2390T processor, LGA1155, Dual core 2.7GHz, 3M Cache, 35W, AMT, compatible with CF-1156C-RS CPU cooler
CPU-DT-i3-2100T	Intel® Core™ i3-2100T processor, LGA1155, Dual core 2.5GHz, 3M Cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-P-G620T	Intel® Pentium G620T processor, LGA1155, Dual core 2.2GHz, 3M Cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-C-G440	Intel® Celeron G440 processor, LGA1155, Single core 1.6GHz, 1M Cache, 35W, compatible with CF-1156C-RS CPU cooler
CF-1156A-RS	High-performance LGA1155/LGA1156 cooler kit,1U chassis compatible, 73W
CF-1156B-RS	High-performance LGA1155/LGA1156 cooler kit, 95W
CF-1156C-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W