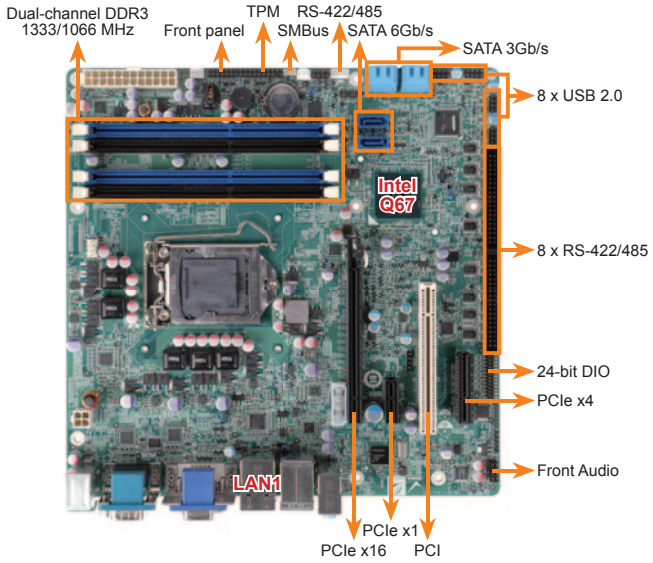
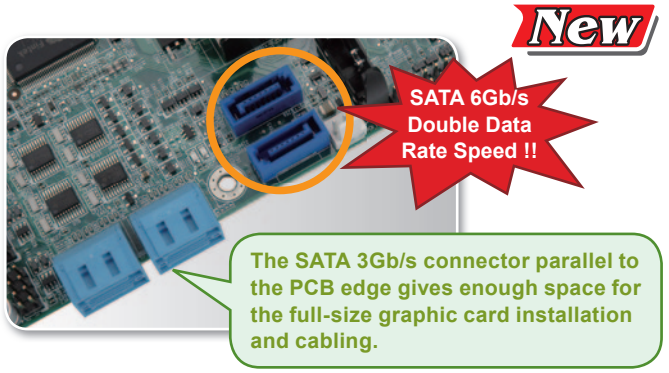
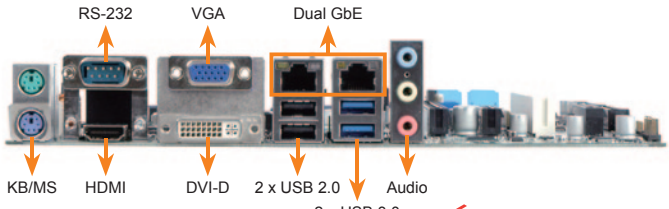
IMB-Q670-R20

Micro ATX Motherboard Supports LGA1155 Intel® Core™ i7/i5/i3/ Pentium®/Celeron® CPU with Intel® Q67, DDR3, VGA/DVI-D/HDMI, Dual Intel® PCIe GbE, USB 3.0, COM, SATA 6Gb/s, HD Audio and RoHS







Specifications

- CPU
  LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- System Chipset
  Intel® Q67
- Memory
  Four 240-pin 1333/1066 MHz dual-channel unbuffered DDR3 SDRAM DIMMs supported (system max. 32GB)
- BIOS
  UEFI BIOS
- Ethernet
  Intel® 82583V PCIe controller
  Intel® 82579 PHY with Intel® AMT 7.0 supported (LAN2)
- Graphics Engine
  Support for DX10.1 and OpenGL3.0
  Full MPEG2, VC1, AVC Decode
- Display Output
  VGA integrated in Intel® Q67
  HDMI integrated in Intel® Q67
  DVI-D integrated in Intel® Q67
- Super I/O
  Fintek F81866
- Audio
  Realtek ALC888 HD Audio codec (Line-in, Line-out, Mic)
- I/O interface
  9 x RS-232 — 4 x SATA 3Gb/s with RAID 0/1/5/10 support
  1 x RS-422/485 — 2 x SATA 6Gb/s with RAID 0/1/5/10 support
  1 x PS/2 KB/MS — 2 x USB 3.0 by NEC D720200F1
  10 x USB 2.0 (2 by rear IO, 8 by pin header)
- Front Audio
  1 x 10-pin header
- TPM
  1 x 20-pin header
- SMBus
  1 x 4-pin wafer
- Expansions
  1 x PCIe x16 slot — 1 x PCIe x1 slot
  1 x PCIe x4 slot — 1 x PCI slot
- Watchdog Timer
  Software programmable support 1~255 sec system reset
- Digital I/O
  24-bit Digital I/O (12-bit input, 12-bit output)
- Fan Connector
  1 x 4-pin CPU fan connector
  2 x 3-pin system fan connector
- Power Supply
  ATX/AT power supply
- Power Consumption
  3.3V@1.75A, 5V@6.61A , 12V@3.68A, 12V@0.09A, 5VSb@0.12
  (Intel® 2.60GHz CPU with four 1333 MHz 4GB DDR3 DIMMs)
- Operating Temperature
  -10°C ~ 60°C
- Operating Humidity
  5% ~95%, non-condensing
- Dimensions
  244mm x 244mm
- Weight
  GW: 1200g / NW: 680g

Features

1. LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor supported
2. Up to 32 GB 1333 MHz dual-channel DDR3 SDRAM
3. Intel® PCIe GbE with Intel® AMT 7.0 supported
4. USB 3.0 and SATA 6Gb/s supported
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x IMB-Q670 Single Board Computer	
1 x I/O Shielding (P/N: 45014-0028C0-01-RS)	
2 x Quad Port RS-232 cable (P/N: 32205-001203-100-RS)	
4 x SATA Cable (P/N: 32000-062800-RS)	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMB-Q670-R20	Micro ATX motherboard supports LGA1155 Intel® Core™ i7/i5/ i3/Pentium®/Celeron® CPU with Intel® Q67, DDR3, VGA/DVI-D/ HDMI, dual Intel® PCIe GbE, USB 3.0, COM, SATA 6Gb/s, HD Audio and RoHS
19800-003100-100-RS	Dual port USB cable w/bracket
32102-000100-200-RS	SATA power cable
32200-074800-RS	RS-422/485 cable, 200mm
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
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