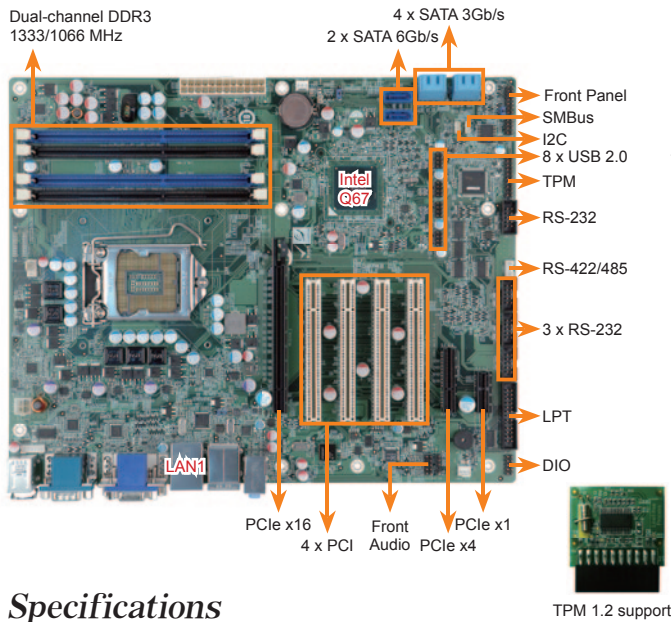


IMBA-Q670-R20

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, SATA 6Gb/s, HD Audio and RoHS

New



Evolution of Media Usages in Transcoding



Specifications

- ◆ CPU
LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- ◆ System Chipset
Intel® Q67
- ◆ Memory
Four 240-pin 1333/1066MHz dual-channel unbuffered DDR3 SDRAM DIMM supported (system max. 32GB)
- ◆ BIOS
UEFI BIOS
- ◆ Ethernet
Intel® 82583V PCIe controller
Intel® 82579 PHY with Intel® AMT 7.0 support (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

5 x RS-232	1 x RS-422/485
1 x LPT	4 x SATA 3Gb/s with RAID 0/1/5/10 support
1 x PS/2 KB/MS	2 x SATA 6Gb/s with RAID 0/1/5/10 support
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
- ◆ I2C
1 x 4-pin wafer
- ◆ Expansion
1 x PCIe x16 slot
1 x PCIe x4 slot
4 x PCI slots
- ◆ 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 CPU fan connector
2 x 3-pin system fan connector
- ◆ Power Supply
ATX/AT power supply
- ◆ Power Consumption
3.3V@1.65A, 5V@6.31A, 12V@0.18A, Vcore@7.88A, 5VSb@0.15
(Intel® Core™ i5-2400 3.10GHz CPU with four 4 GB 1333MHz DDR3 memory)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~95%, non-condensing
- ◆ Dimensions
244mm x 305mm
- ◆ Weight
GW:1200g, NW: 700g

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 IMBA-Q670 Single Board Computer	
1 x I/O Shielding (P/N: 45014-0028C0-01-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
IMBA-Q670-R20	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, SATA 6Gb/s, HD Audio and RoHS
19800-003100-100-RS	Dual-port USB cable with bracket
32102-000100-200-RS	SATA power cable
32200-074800-RS	RS-422/485 cable, 200mm
19800-000049-RS	LPT cable
19800-000051-RS	RS-232 cable, 230mm
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