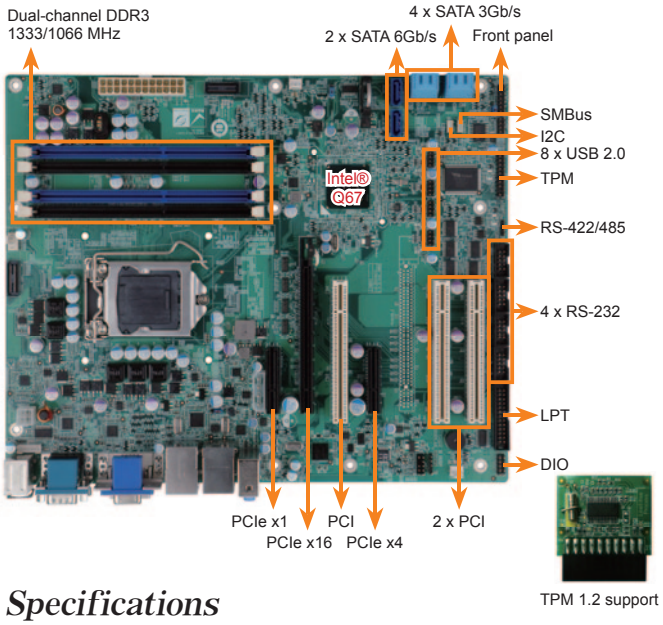
IMBA-Q670

ATX motherboard supports 32nm LGA1155 Intel® Core™ i7/i5/i3 CPU per Intel® Q67, DDR3, VGA/DVI/HDMI, dual Intel PCIe GbE, two USB 3.0, two SATA 6Gb/s, audio and RoHS



TPM 1.2 support

New

Evolution of Media Usages In Transcoding

Video To Go

Make video available on-the-go for video capable devices and smart phone

PVR/DVR

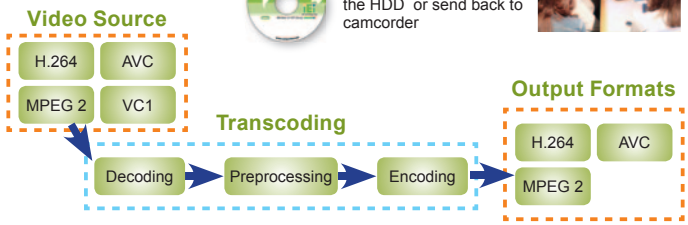
HD TV program real-time recording and archiving

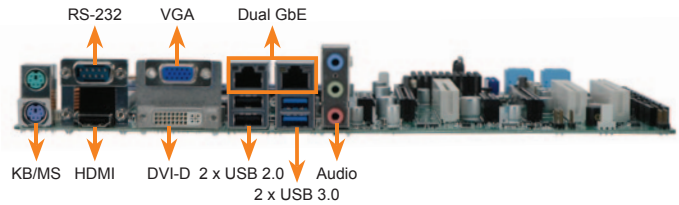
Burn To Disc

Store or share home video content with family and friends by burning it into DVD

Editing

Modify video by clipping, scaling, applying filters, captions etc. Save on the HDD or send back to camcorder





Specifications

- CPU
  LGA1155 socket supports Intel® Core™ i7/i5/i3 Quad/ Dual core processor
- System Chipset
  Intel® Q67
- Memory
  Four 240-pin 1333/1066MHz dual-channel DDR3 SDRAM unbuffered DIMM supported (system max. 32GB)
- BIOS
  UEFI BIOS
- Ethernet
  Intel® 82583V PCIe controller
  Intel® 82579 PHY with Intel® AMT 7.0 supported
- Graphic Engine
  Support for DX10.1 and OpenGL3.0
  Full MPEG2, VC1, AVC Decode
- Display Output
  VGA integrated in the Intel® Q67
  HDMI integrated in the Intel® Q67
  DVI-D integrated in the 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
  2 x 5-pin pin header
- TPM
  2 x 10-pin 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 (with x1 signal)
  1 x PCIe x4 slot — 3 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 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 processor supported
2. Dual-channel DDR3 1333MHz supports up to 32GB
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-R10	ATX motherboard supports 32nm LGA1155 Intel® Core™ i7/i5/i3 CPU per Intel® Q67, DDR3, VGA/DVI/HDMI, dual Intel® PCIe GbE, two USB 3.0, two SATA 6Gb/s, audio and RoHS
19800-003100-100-RS	Dual ports USB cable with bracket
32102-000100-200-RS	SATA power cable
32200-074800-RS	RS-422/485 cable, 200mm
CF-1156A-RS	High performance LGA1155/LGA1156 cooling kit, 1U chassis compatible, 73W
CF-1156B-RS	High performance LGA1155/LGA1156 cooling kit, 95W
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