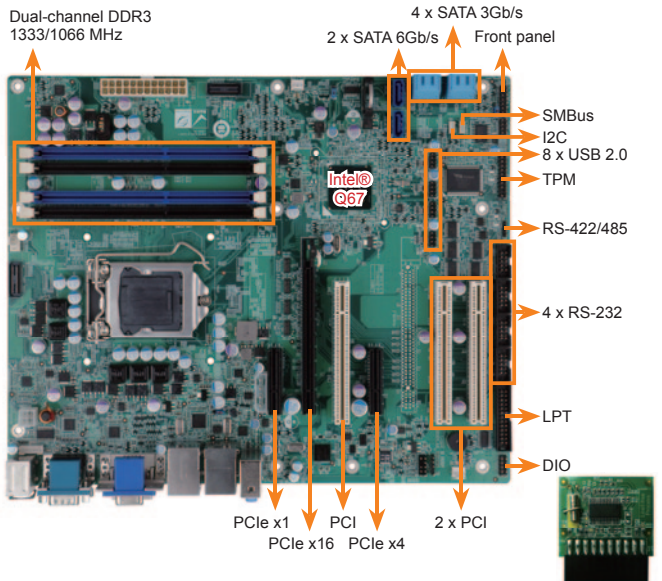
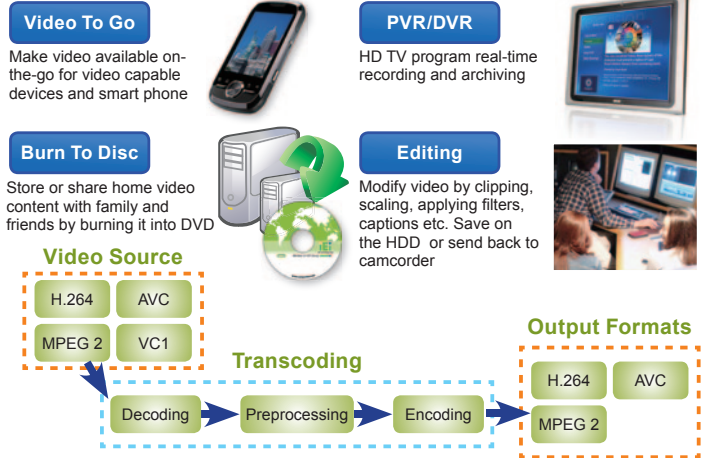


IMBA-Q670

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

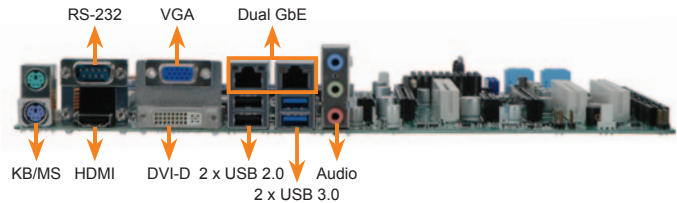


Evolution of Media Usages In Transcoding



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 LPT
 - 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
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

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 Industrial Data Collector and Controller

5 Panel Solutions Introduction

6 ORing Network Communication

7 Power Supply/ Peripherals