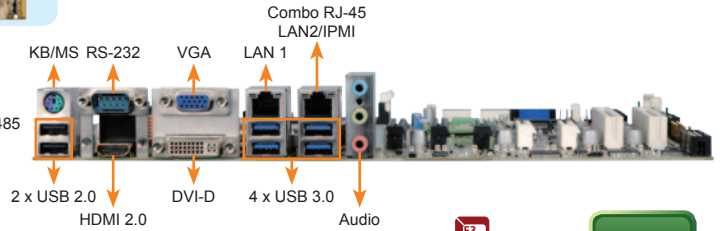
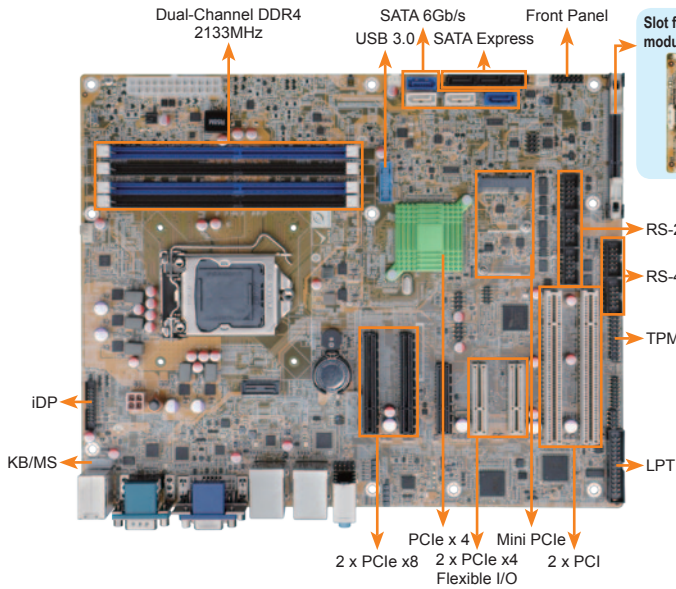


IMBA-Q170-i2

ATX Motherboard supports 14nm LGA1151 Intel® Skylake CPU Intel® Q170, DDR4, Three Independent Displays VGA/ DVI-D/ HDMI 2.0/ Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio, IPMI2.0 and RoHS

New



Specifications

- ◆ CPU
LGA1151 socket supports Intel® skylake processor
- ◆ System Chipset
Intel® Q170
- ◆ Memory
Four 240-pin 2133MHz Dual-Channel DDR4 SDRAM Unbuffered DIMM supported up to 64GB
- ◆ BIOS
AMI UEFI BIOS
- ◆ Graphic Engine
Intel® HD Graphics Gen 9 Engines with Low power 16 execution unit, supports DX11/12, OpenGL 4.3/4.4 and OpenCL2.x, ES 2.0
- ◆ Display Output
DVI-D
VGA
HDMI 2.0
DisplayPort integrated in the CPU (pin header for changing to HDMI, LVDS, VGA)
- ◆ Ethernet
LAN1: Intel® I210 PCIe controller
LAN2: Intel® I217LM PCIe with Intel® AMT9.0 support
- ◆ External I/O Interface
1 x RS-232
2 x USB 2.0
4 x USB 3.0
- ◆ Internal I/O Interface
1 x KB/MS (1x6 pin) 1 x LPT (2 x 13pin, P=2.54)
1 x mSATA (colay SATA2) 1 x USB 2.0 (Type A)
1 x USB 3.0 (2x10 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.0)
2 x RS-232/RS-422/485 (1x4 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0)
4 x SATA 6Gb/s (SATA 0 & SATA1 support SATA express)
- ◆ SIO: Fintek 81866-I
- ◆ Embedded Controller: IT8528E
- ◆ SMBus: 1 x SMBus (1x4 pin)
- ◆ I²C: 1 x I²C (1x4 pin)
- ◆ TPM: 1 x TPM (2 x 10pin)
- ◆ Audio
Realtek ALC662 HD Audio Codec support 5.1 Channel, Front Audio (2x 5 pin) (Line-in, Line-out, Mic)
- ◆ Front Audio: 2 x 5-pin pin header
- ◆ Front Panel
1 x Front Panel (2 x 7 pin, Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ LAN LED: 2 x LAN LED (1x2 pin)
- ◆ Expansion
1 x Full-size PCIe Mini card slot 2 x PCI slot
2 x PCIe x 8 slot (Gen3) 3 x PCIe x 4 slot (Gen3)
- ◆ IPMI: Support IPMI 2.0 Via iRIS-2400
- ◆ Watchdog Timer: Software programmable support 1~255 sec. System reset
- ◆ Digital I/O: 8-bit Digital I/O (2x5 pin)
- ◆ Fan Connector
1 x CPU smart fan (1x4 pin) 1 x System smart fan (1x4 pin)
- ◆ Power Supply: ATX/AT Power Supply
- ◆ Power Consumption: TBD
- ◆ Operating Temperature: TBD
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244mm x 305mm
- ◆ Weight: GW:1200g, NW: 700g

Features

- LGA1151 Intel® skylake-S processor supported
- Dual-channel DDR4 2133MHz
- Support for 3 displays with HDMI, DVI and VGA
- Support PCI-Express generation 3.0 at 8GT/s I/O bandwidth
- USB 3.0 and SATA 6Gb/s
- Support SATA express
- Support IPMI remote control
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x IMBA-Q170-i2-R10
1 x I/O shielding
2 x SATA cable
1 x One key recovery CD
1 x QIG
1 x Utility CD

Ordering Information

Part No.	Description
IMBA-Q170-i2-R10	ATX Motherboard supports 14nm LGA1151 Intel® Skylake CPU Intel® C170, DDR4, Three Independent Displays VGA/ DVI-D/ HDMI 2.0/ Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio, IPMI2.0 and RoHS
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface
19800-000049-RS	LPT cable
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
19800-003100-300-RS	Dual-port USB cable with bracket
19800-010500-200-RS	USB 3.0 cable 457mm with bracket
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
32205-001203-200-RS	RS-232 cable, 40-pin to four DB-9
32205-003800-300-RS	RS-422/485 cable, 200mm
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156E-R11	High performance LGA1155/LGA1156 cooler kit, 95W
DP-DP-R10	DisplayPort to DisplayPort converter board (for IEI iDP connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for IEI iDP connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for IEI iDP connector)
DP-LVDS-R10	DisplayPort to 24-bit dual-channel LVDS converter board (for IEI iDP connector)
DP-VGA-R10	DisplayPort to VGA converter board (for IEI iDP connector)
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17