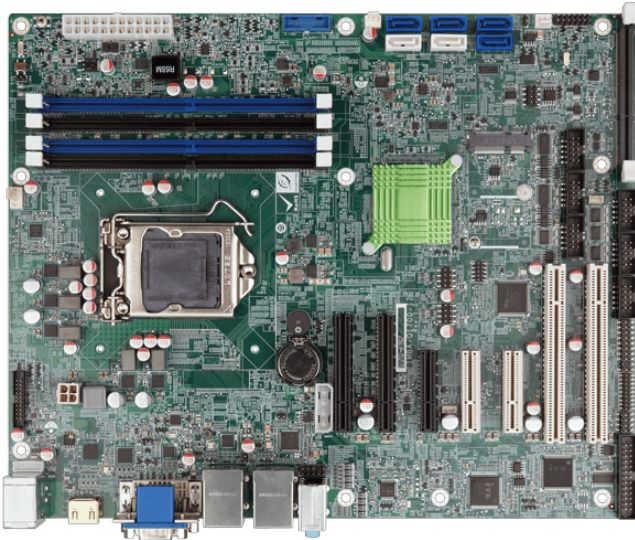


# IMBA-Q170

ATX motherboard supports 14nm LGA1151 Intel® CPU Intel® Q170,



## Features

- » LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » Dual-channel DDR4 2133 MHz
- » Support triple display with HDMI, DVI and VGA
- » Support USB 3.0, SATA 6Gb/s and PCI Express Gen3
- » Support IPMI 2.0 via iRIS-2400 module
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

System	
CPU	LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor
Chipset	Intel® Q170
Memory	Four 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs
Memory Max.	64GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	244 X 305
Net Weight	700g
Storage	
Storage	6 x SATA :6Gb/s (RAID 0/1/5/10 supported)
I/O Interface	
Display Output	1 x VGA :up to 1920x1200@60Hz 1 x DVI-D :up to 1920x1200@60Hz 1 x HDMI :2.0 (up to 4096x2160@60Hz) 1 x iDP :interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)
Ethernet	2 x LAN :LAN1: Intel® I219LM with Intel® AMT 11.0 support LAN2: Intel® I210AT PCIe controller with NCSI support
Audio	Description: Realtek ALC662 HD codec supports 5.1-channel 1 x Line in :on rear IO 1 x Line out :on rear IO 1 x Mic :on rear IO 1 x Front Audio :2x5 pin
I/O Interface	4 x Internal RS-232 :2x5 pin, P=2.54 2 x Internal RS-232/422/485 :2x5 pin, p=2.54 2 x External USB 2.0 4 x External USB 3.2 Gen1x1 4 x Internal USB 2.0 :2x4 pin, P=2.0 2 x Internal USB 3.2 Gen1x1 :2x10 pin, p=2.0 1 x PS/2 :1x6 pin 1 x DIO :8-bit digital I/O (2x5 pin) 1 x LPT :2x13 pin, p=2.54

Expansion	2 x PCIe x8
	3 x PCIe x4
	2 x PCI Slot
	1 x PCIe mini Card Slot :Full-size slot (support mSATA)
<b>Other Features</b>	
iRIS	1 X iRIS-2400 slot
TPM	2x10 pin
<b>Power</b>	
Power Consumption	3.3V@1.65A, 5V@3.4A, 12V@8.58A, 5VSB@3.4A (Intel® Core™ i7 6700K 4.0GHz CPU with 32 GB (four 4 GB) 2133 MHz DDR4 memory)
Power Supply	support AT/ATX mode
<b>Environment</b>	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~ 95%, non-condensing

## Ordering Information

IMBA-Q170-i2-R10	ATX Motherboard supports 14nm LGA1151 Intel® Core™ 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
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## Packing List

1 x IMBA-Q170-i2 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG