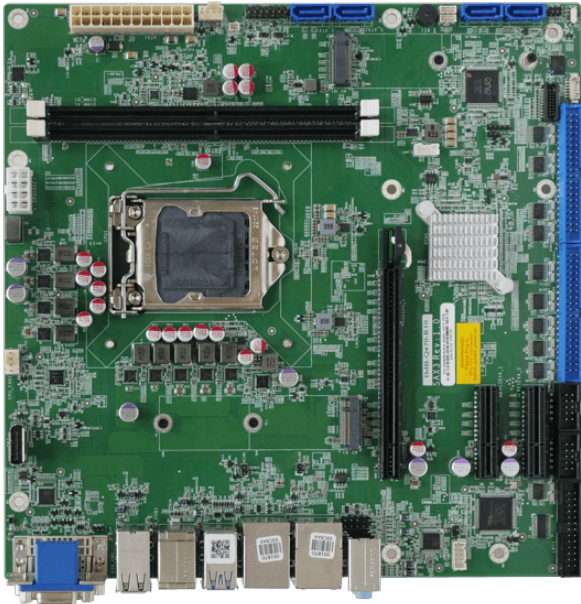


# IMB-Q470

Micro-ATX motherboard supports LGA1200 Intel® 10th/11th Gen. Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple displays, dual LAN, M.2, 8 USB 3.2, 6 USB 2.0, 10 COM, SATA 6Gb/s, HD Audio and RoHS



## Features

- » LGA1200 Intel® 10th/11th Generation Core i9/i7/i5/i3, Pentium and Celeron processor (up to 125W)
- » Two 288-pin 2933 MHz unbuffered DDR4 SDRAM DIMM slots (system max. 64GB)
- » Support triple independent display via DVI, VGA and internal DP++
- » Support one PCIe x16 and two PCIe x4 expansions
- » Support one M.2 B key, one M.2 M key and four SATA for storage

## Specifications

Form Factor	
Form Factor	micro ATX
System	
CPU	LGA1200 socket supports 10th/11th generation Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor. up to 125W TDP
Chipset	Intel® Q470/Q470E
Memory	Two 288-pin 2933 MHz unbuffered DDR4 SDRAM DIMM slots (supporting up to 64 GB memory)
Memory Max.	64GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin) 1 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	244mm x 244mm
Net Weight	700g
Storage	
Storage	4 x SATA : RAID 0/1/5/10 supported  2 x M.2(NGFF) - 1 x M.2 B key 2242/2280 (PCIe Gen3 x2) 1 x M.2 M key 2242/2280 (PCIe Gen3 x4)
I/O Interface	
Display Output	1 x VGA : up to 1920 x 1080@60Hz 1 x DVI-D : up to 2560 x 1600@60Hz 1 x DP++ : up to 3840 x 2160@60Hz
Ethernet	2 x LAN - LAN1: Intel® I219-LM GbE controller LAN2: Intel® I225-V GbE controller
Audio	1 x HD Audio : Realtek ALC888S HD Audio codec - 3 x Audio jack (Line-in, Line-out, Mic-in)

	- 1 x Analog audio (2x5 pin)
I/O Interface	10 x Internal RS-232 -
	2 x 2*20-pin, P=2.54
	2 x 2*5 pin, P=2.54
	6 x External USB 2.0 : Type A
	8 x External USB 3.2 Gen1x1 : 5 Gb/s(Type A)
	1 x PS/2 : for KB/MS
	1 x LPT : 2*13 pin
Expansion	1 x PCIe x16 : Gen4 slot with x16 Signal
	2 x PCIe x4 : Gen4 open-end
	2 x M.2(NGFF) - 1 x M.2 B key 2242/2280 (PCIe Gen3 x2) 1 x M.2 M key 2242/2280 (PCIe Gen3 x4)
<b>Power</b>	
Power Consumption	» 3.3V@1.13A, 5V@10.14A, 12V@11.86A, 5VSB@0.23A (11th Gen.Intel® Core® i9-11900K 3.50 GHz 125W CPU with 32GB 2933MHz DDR4 memory, EUP enabled)
	» 3.3V@1.16A, 5V@10.45A, 12V@5.93A, 5VSB@0.26A (10th Gen.Intel® Core® i9-10900E 2.80 GHz 65W CPU with 32GB 2933MHz DDR4 memory, EUP enabled)
Power Supply	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP Compliant
<b>Environment</b>	
Operating Temperature	0°C~60°C
Storage Temperature	-30°C~70°C
Humidity	5% ~95%, non-condensing

## Ordering Information

IMB-Q470-R10	Micro-ATX motherboard supports LGA1200 Intel® 10th/11th Gen. Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple displays, dual 2.5GbE LAN, M.2, 8 USB 3.2, 6 USB 2.0, 10 COM, SATA 6Gb/s, HD Audio and RoHS
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## Packing List

1 x IMB-Q470 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG