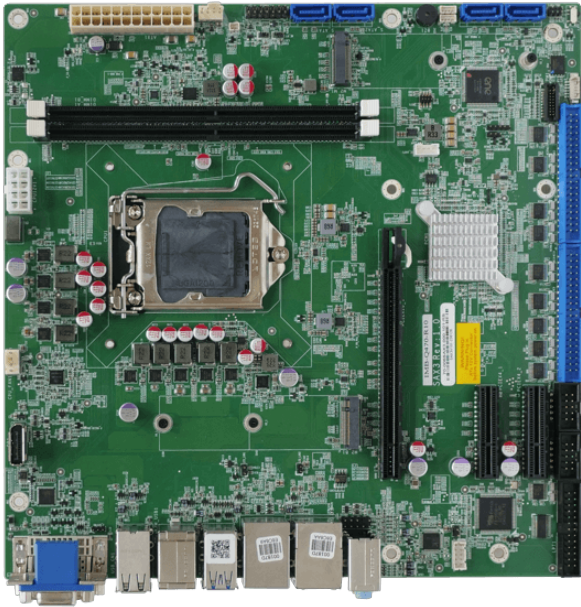


# IMB-Q470

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<br>(supporting up to 64 GB memory)  |
| Memory Max.                 | 64GB  |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin)<br>1 x System fan connector (1x4 pin)   |
| 外觀                          |   |
| 外觀尺寸 ( mm )                 | 244mm x 244mm   |
| Net Weight                  | 700g  |
| Storage                     |   |
| Storage                     | 4 x SATA : RAID 0/1/5/10 supported<br>2 x M.2(NGFF) -<br>1 x M.2 B key 2242/2280 (PCIe Gen3 x2)<br>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<br>1 x DVI-D : up to 2560 x 1600@60Hz<br>1 x DP++ : up to 3840 x 2160@60Hz                               |
| Ethernet                    | 2 x LAN -<br>LAN1: Intel® I219-LM GbE controller<br>LAN2: Intel® I225-V GbE controller  |
| Audio                       | 1 x HD Audio : Realtek ALC888S HD Audio codec<br>- 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) -<br>1 x M.2 B key 2242/2280 (PCIe Gen3 x2)<br>1 x M.2 M key 2242/2280 (PCIe Gen3 x4)  |
| <b>電源</b>     |  |
| 電源功耗          | » 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>環境</b>     |  |
| 操作溫度          | 0°C~60°C   |
| 存儲溫度          | -30°C~70°C   |
| 濕度            | 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 |
|--------------|---|

## Packing List

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