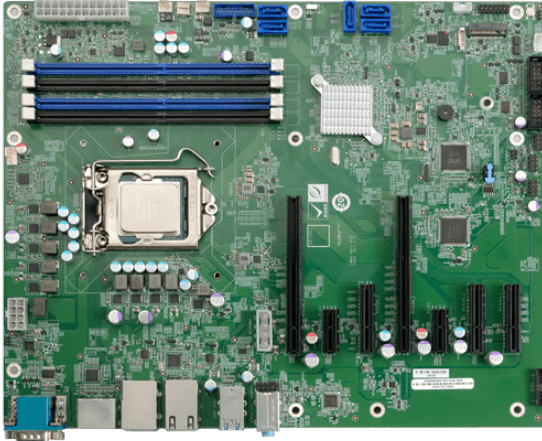


IMBA-Q471

ATX Motherboard Supports 10 th / 11 th Gen. LGA1200 Intel® Core™ i9/i7/i5/i3, Celeron® and Pentium® Processors, DDR4, Triple Independent Displays, Triple 2.5GbE, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



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Features

1. 支持 HDMI™、DP、VGA 三重独立显示输出
2. 支持三重 Intel® i225V 2.5GbE 控制器
3. 支持 2 x PCIe x16, 3 x PCIe x4, 2 x PCIe x1 and 1 x M.2 M key 扩展槽
4. 支持 2 x USB 3.2 Gen2、4 x USB 3.2 Gen1、8 x USB 2.0, 传输速率高达 10Gb/s
5. 支持 3 x RS-232、1 x RS-232/422/485、5 x SATA 6Gb/s 接口

Specifications

System	
CPU	10 th / 11 th Generation LGA1200 Intel® Core™ i9/i7/i5/i3, Celeron® and Pentium® processors
Chipset	Intel® Q470/Q470E
Memory	Four 288-pin 2933 MHz dual-channel unbuffered DDR4 SDRAM DIMM slots, supporting up to 128 GB memory
Memory Max.	up to 128 GB memory
Cooling method / System Fan	1 x CPU fan connector (1x4 pin) 2 x System fan connector (1x3 pin)
Storage	
Storage	5 x SATA : 6Gb/s (RAID 0/1/5/10 supported) 1 x M.2(NGFF) : M-key 2242/2280 (PCIe Gen3 x2, SATA)
I/O Interface	
Display Output	1 x VGA : up to 1920 x 1080 @ 60 Hz 1 x HDMI™ : up to 4096 x 2304 @ 30 Hz 1 x Display Port : up to 4096 x 2304 @ 60 Hz
Ethernet	3 x LAN - LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225V 2.5GbE controller LAN3: Intel® I225V 2.5GbE controller
Audio	1 x Line in (CD/DVD or other audio source input port) 1 x Line out (connect this port to headphone or speaker) 1 x Mic (connect this port to microphone) 1 x Front Audio : 2x5 pin, p=2.54 1 x HD Audio : Realtek ALC888S HD Audio codec supports 7.1-channel
I/O Interface	1 x External RS-232 : DB-9 2 x Internal RS-232 : 2x5 pin, p=2.54 1 x Internal RS-422/485 : 1x4 pin, p=2.0 2 x External USB 2.0 : Type-A 2 x External USB 3.2 Gen1x1 : 5Gb/s (Type-A) 6 x Internal USB 2.0 : 2x4 pin, p=2.54 2 x Internal USB 3.2 Gen1x1 : 2x10 pin, p=2.0

	1 x DIO : 12-bit digital I/O (2x7 pin, p=2.0)
	2 x External USB 3.2 Gen2x1 : 10Gb/s (Type-A)
Expansion	2 x PCIe x16 (x8 signal)
	3 x PCIe x4
	2 x PCIe x1
	1 x M.2(NGFF) : M-key 2242/2280 (PCIe x2, SATA)
Other Features	
TPM	Intel® PTT(TPM 2.0)
Power	
Power Consumption	3.3V@1.1A, 5V@3.359A, 12V@2.18A, 5VSB@0.12A
	(Intel® Core™ i5-10500TE CPU with four 8 GB 2933 MHz DDR4 DIMMs)
Power Supply	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP compliant
Environment	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-30°C ~ 70°C

Ordering Information

IMBA-Q471-R10	ATX motherboard supports LGA1200 Intel® 10th/11th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor, DDR4, triple independent displays, triple 2.5GbE LAN, pure PCIe slots , M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
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Packing List

1 x IMBA-Q471 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG