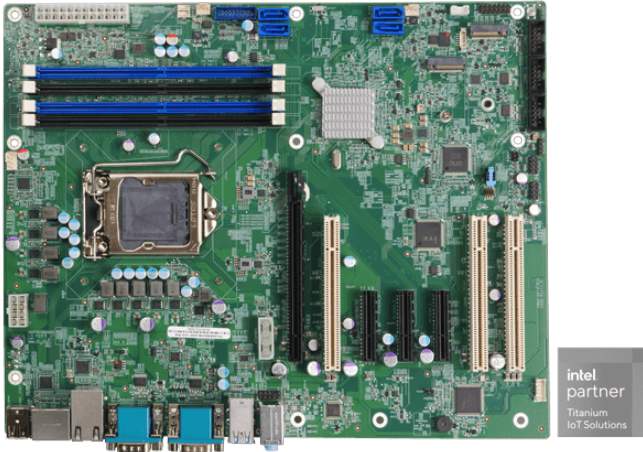


IMBA-Q470

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



Features

- » LGA1200 Intel® 10/11th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor
- » Dual-channel DDR4 2933MHz
- » Support HDMI™, DP, VGA
- » Support M.2 A key for WLAN expansion, M key for PCIe NVMe storage

Specifications

Form Factor	
Form Factor	ATX Motherboard
System	
CPU	LGA1200 Intel® 10/11th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor
Chipset	Intel® Q470/Q470E
Memory	Four 288-pin 2933 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs supported up to 128GB
Memory Max.	up to 128GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin) 2 x System fan connector (1x3 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	244mm x 305mm
Net Weight	GW:1200g / NW:700g
Storage	
Storage	1 x M.2(NGFF): 1 x M.2 M Key (2240/2280) with PCIe x4 4 x SATA
I/O Interface	
Display Output	1 x Display Port 1 x HDMI™ 1 x VGAUp to 1920 x 1080 @60Hz
Ethernet	2 x LAN: LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225V 2.5GbE controller
Audio	1 x Front Audio: 2x5 pin 1 x Line in 1 x Line out 1 x Mic
I/O Interface	1 x DIO: 8-bit digital I/O (2x5 pin) 2 x External RS-232 1 x External RS-422/485: RS-485 support AFC 2 x External USB 2.0: Type-A

	2 x External USB 3.2 Gen1x1: 5Gb/s(Type-A)
	2 x External USB 3.2 Gen2x1: 10Gb/s (Type-A)
	2 x Internal RS-232: 2x5 pin, P=2.54
	1 x Internal RS-232/422/485: 2x5 pin, P=2.54 ,RS-485 support AFC
	5 x Internal USB 2.0: 2x4 pin, P=2.54
	2 x Internal USB 3.2 Gen1x1: 2x10 pin, p=2.0
Expansion	2 x M.2(NGFF):
	1 x M.2 M-key 2242/2280 (PCIe x4)
	1 x M.2 A-key 2230 (PCIe x1 / USB 2.0)
	3 x PCI Slot
	1 x PCIe x16
	3 x PCIe x4
Power	
Power Consumption	3.3V@1.36A, 5V@14.16A, 12V@7.5A (Intel® Core™ i9-10900E CPU with four 32 GB 3200 MHz DDR4 memory)
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
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

Ordering Information

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

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