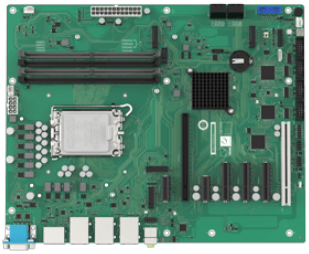
IMBA-BTL-Q670

ATX motherboard supports LGA1700 socket supports 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor & Intel Core Processors (Series 2) (Bartlett Lake S) (up to 125W TDP CPU)



Features

» LGA1700 socket supports 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor & Intel Core Processors (Series 2) (Bartlett Lake S) (up to 125W TDP CPU)

» Four 288-pin 4400 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 192GB

» Triple independent display via HDMI, DP and iDPM

» Support Dual Intel® I226V/I226 LM 2.5GbE controller

» Support PCIe Gen4 x1, PCIe Gen4 x4, PCIe Gen4 x16 and PCI expansion

Specifications

Form Factor	
Form Factor	ATX
System	
CPU	LGA1700 socket supports 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor & Intel Core Processors (Series 2) (Bartlett Lake S) (up to 125W TDP CPU)
Chipset	Intel® Q670/Q670E
Memory	Four 288-pin 4400 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs
Memory Max.	up to 192GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin)
	2 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	244mm x 305mm
Net Weight	GW: 1200g / NW: 700g
Storage	
Storage	4 x SATA : 6Gb/s
I/O Interface	
Display Output	1 x Display Port : 1.4 (up to 4K@60Hz)
	1 x HDMI™ : 1.4 (up to 4K @30Hz)
	1 x iDPM : 3040 slot (only for IEI eDP/LVDS/VGA module)
I/O Interface	1 x DIO : 12-bit digital I/O (2x7 pin)
	2 x External RS-232/422/485 : RS-485 support AFC
	2 x External USB 3.2 Gen1x1 : Type-A, 5Gb/s
	4 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s
	4 x Internal RS-232 : 2x5 pin, P=2.54
	4 x Internal USB 2.0 : 2x4 pin, P=2.54
	2 x Internal USB 3.2 Gen1x1 : 2x10 pin, P=2.00, 5Gb/s
Expansion	1 x PCI Slot
	2 x PCIe x1 : Gen3 x 1
	1 x PCIe x16 : Gen4 x 16
	3 x PCIe x4 : Gen3 x 4 open-end
Power	
Power Consumption	TBD

Power Supply	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP Compliant
Environment	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing
Card Slot Interface	
M.2	1 x M.2 M Key (2280, PCIe x4) NVMe support
	1 x M.2 M Key (2280, PCIe x2 for SSD) NVMe support

Ordering Information

IMBA-BTL-Q670-R10	ATX motherboard supports LGA1700 12/13/14th Intel® Core™ i9/i7/i5/i3, Celeron® and Pentium® processor & Intel Core (Series 2)(Bartlett Lake S), DDR5, Triple displays, dual LAN, M.2, USB 3.2, SATA 6Gb/s and RoHS

Packing List

1 x IMBA-BTL-Q870 single board computer	1 x I/O Shielding
1 x SATA cable	1 x QIG