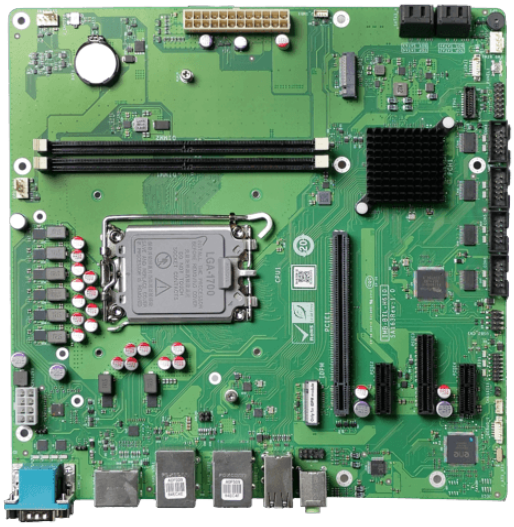
IMB-BTL-H610

micro-ATX motherboard supports LGA1700 socket 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium® /Celeron® Processor and Intel Core Processors (Series 2)



Features

» LGA1700 socket supports 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium® /Celeron® Processor and Intel Core Processors (Series 2)

» Two 288-pin 5600 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs

» Support dual Intel® 2.5GbE controller

» Support PCIe Gen4 x16, PCIe Gen3 x4, PCIe Gen3 x1 and M.2 M key expansion

Specifications

Form Factor	
Form Factor	Micro-ATX
System	
CPU	LGA1700 socket supports 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium® /Celeron® Processor and Intel Core Processors (Series 2) (Bartlett Lake S) (up to 65W TDP CPU)
Memory	Two 288-pin 5600 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs
Memory Max.	96GB
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	GW: 1200g / NW: 700g
Storage	
Storage	4 x SATA : 6Gb/s
I/O Interface	
Display Output	1 x Display Port : 1.4a (up to 4K @60Hz)
	1 x HDMI™ : 1.4b (up to 4K @30Hz)
	1 x iDPM : only for IEI module
Ethernet	2 x LAN -
	LAN1: Intel® I219-LM controller
	LAN2: Intel® I226V 2.5GbE controller
I/O Interface	1 x DIO : 12-bit digital I/O (2x7 pin)
	2 x External RS-232/422/485 : RS-485 support AFC
	4 x External USB 2.0 : Type-A
	2 x External USB 3.2 Gen1x1 : Type-A (5Gb/s)
	2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s
	4 x Internal RS-232 : 2x5 pin, P=2.54
	2 x Internal USB 2.0 : 2x4 pin, P=2.54
Expansion	1 x M.2(NGFF) : M Key (2280, PCIe x1)

	2 x PCIe x1 : Gen3 x1
	1 x PCIe x16 : Gen4 x16 with x16 Signal
	1 x PCIe x4 : Gen3 x4 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

Ordering Information

IMB-BTL-H610-R10	micro 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 IMB-BTL-H610 single board computer	1 x I/O Shielding
2 x SATA cable	1 x QIG