

IMBA-BTL-Q670

ATX motherboard supports LGA1700 Intel®
12th/13th/14th
Generation Core™ i9/i7/i5/i3, Pentium®
Celeron® processor and Intel Core
Processors (Series 2)

Features

- Up to 192GB DDR5 4400MHz dual-channel memory
- Triple independent display with DP 1.4a, HDMI, iDPM expansion
- Dual Intel® 2.5GbE LAN for high-speed networking
- Rich expansion with PCIe Gen4 x16, multiple PCIe slots and legacy PCI



Specifications

MODEL NAME	IMBA-BTL-Q670
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
BIOS	AMI UEFI BIOS
Memory	Four 288-pin 4400 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 192GB
Graphics Engine	Intel® UHD Graphics
Display Output	Triple independent display 1 x DP 1.4A (up to 4K @60Hz) 1 x HDMI 1.4 (up to 4K @30Hz) 1 x iDPM support IEL eDP/ LVDS/ VGA module
Embedded Controller	LAN1: Intel® I226LM 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller (CO-LAY I226-LM support vPro)
External I/O Interface	4 x USB 3.2 Gen2 (Type-A) (10Gb/s) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 2 x RS-232/422/485 (RS-485 support AFC)
Internal I/O Interface	4 x SATA 6Gb/s (RAID 0/1/5/10 supported) 4 x USB 2.0 (2x4 pin, P=2.54) 2 x USB 3.2 Gen1 (2 X 10pin, P=2.00 pin wafer) (5Gb/s) 4 x RS-232 (2x5 pin, P=2.54)
I2C/SMBUS	1 x SMBus (1x4 pin) 1 x I2C (1x4 pin)
Audio	2 x Audio Jack (Line-out, Mic-in) on rear IO 1 x Analog audio (2x5 pin)
Front Panel	1 x Front Panel (2 x 7 pin, Power LED, HDD LED, Speaker, Power Button, Reset Button)
LAN LED	2 x LAN LED (1x2 pin)
Expansion	**1 x PCIe Gen4 x16 slot 1 x PCIe Gen4 x4 open-end slot 2 x PCIe Gen4 x4 open-end slot 2 x PCIe Gen3 x1 slot 1 x PCI slot 1 x M.2 M Key (2280, PCIe x4) NVMe support 1 x M.2 M Key (2280, PCIe x2 for SSD) NVMe support
Digital I/O	1 x 12-bit digital I/O (2x7 pin)
TPM	1 x TPM (2x10 pin) & Intel PTT
IPMI	1 x IPMI slot support Intelligent platform management 1x RJ45 only for IPMI
FAN connector	1 x CPU fan connector (1x4 pin) 2 x System fan connector (1x4 pin)
Chassis Open	1 x Chassis intrusion (1x2 pin)
Power supply	ATX/AT power supply Support AT/ATX mode ErP/EuP Compliant
Watchdog Timer	Software Programmable support 1~255 sec. System reset
Power Consumption	TDB
Operating Temperature	-10°C~60°C
Storage Temperature	-30°C ~ 70°C
Operating Humidity	5% ~95%, non-condensing
Diemension	244mm x 305mm
Weight	GW:1200g / NW:700g
Certification	CE/FCC compliant

