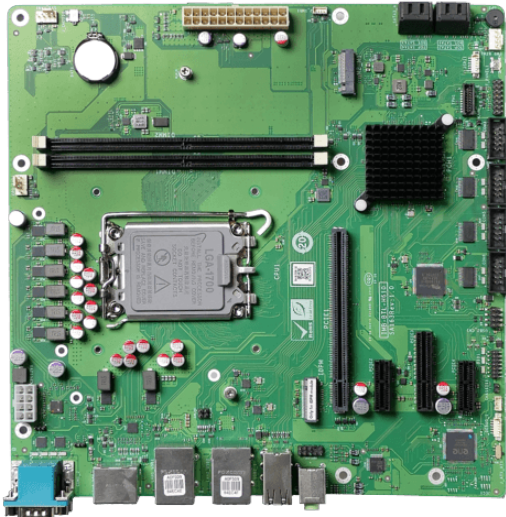


# IMB-BTL-H610

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)<br>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)<br>1 x HDMI™ : 1.4b (up to 4K @30Hz)<br>1 x iDPM : only for IEI module                                                                                                                                                                                                |
| Ethernet                    | 2 x LAN -<br>LAN1: Intel® I219-LM controller<br>LAN2: Intel® I226V 2.5GbE controller                                                                                                                                                                                                                           |
| I/O Interface               | 1 x DIO : 12-bit digital I/O (2x7 pin)<br>2 x External RS-232/422/485 : RS-485 support AFC<br>4 x External USB 2.0 : Type-A<br>2 x External USB 3.2 Gen1x1 : Type-A (5Gb/s)<br>2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s<br>4 x Internal RS-232 : 2x5 pin, P=2.54<br>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           |