



## Key Features

- Intel® Core™ Processor Series 2 (Bartlett Lake-S) and 14th/13th/12th Gen (Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S) Core™ Processors with H610 chipset
- 2 x 288-pin Long-DIMM DDR5 4800/5600 MHz, up to 96GB (48 GB per DIMM)
- 1 x PCIe x16 (Gen5), 1 x PCIe x4 (Gen3), 1 x PCIe x1 (Gen3), 4 x PCI
- 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen1, 5 x USB 2.0
- 1 x M.2 Key M, 6 x COM, 4 x SATA3
- 1 x Intel 1 Gigabit LAN, 1 x Realtek 2.5 Gigabit LAN with PoE function
- Supports Triple display, 1 x HDMI 2.0b, 2 x DP 1.4a, 1 x VGA
- TPM 2.0 onboard IC
- ATX PWR (8+24pin)



## Specifications

Processor System	Intel® Core™ Processor Series 2 (Bartlett Lake-S) and 14th/13th/12th Gen (Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S) Core™ Processors, up to 125 W Intel® H610 LGA1700
Expansion Slot	4 1 x PCIe x1 (Gen3) 1 x PCIe x4 (Gen3) 1 x PCIe x16 (Gen5) - 1x M.2 (Key M, 2242/2260/2280) with shared SATA3 for SSD
Memory	Dual Channel DDR5 4800/5600 MHz* 96GB (48GB per DIMM) 2 x 288-pin Long-DIMM
Graphics	Intel® UHD Graphics
Ethernet	10/100/1000/2500 Mbps LAN1: Realtek® RTL8125BG & LAN2: Intel® I219V
SATA	4 x SATA3
Rear I/O	1 - 1 x 1 Gigabit LAN 1 x 2.5 Gigabit LAN 2 x USB 3.2 (Gen2) 2 x USB2.0 3 (Line-In, Line-Out, Mic-In) COM1, COM2 (RS-232/422/485) 1 2 1 x PS/2 combo
Internal Connectors	2 x USB 3.2 Gen1 (1 x USB 3.1 header) 3 x USB 2.0 (1 x 2.54 pitch header, 1 x USB 2.0 Type-A vertical con) COM3, COM4, COM5, COM6 (RS-232) 4 x SATA3 (6Gb/s) 1 (shared with GPIO) 8 x GPI, 8 x GPO
Watchdog Timer	From Super I/O to drag RESETCON# 256 Segments, 0, 1, 2, ...255sec
Power Requirement	ATX PWR 24+8-pin
Environment	Operating                      Non-Operating 0 ~ 60° C                      -40 ~ 85° C
Physical Characteristics	ATX (12-in x 9.6-in)

## Ordering Information

iRMB-1201

LGA1700 Intel® Core™ i7/i5/i3, 12th/13th/14th Gen. CPU supported ATX MB with DP/HDMI/VGA, 6 COM, 9 USB & Dual GbE LAN