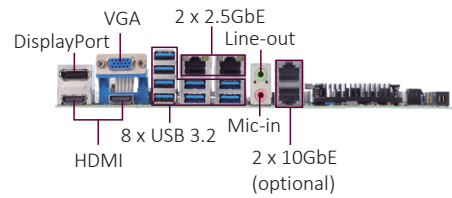
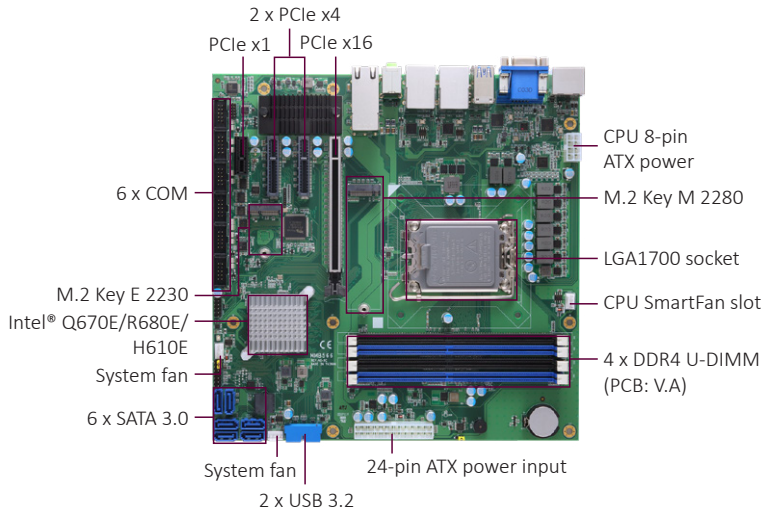
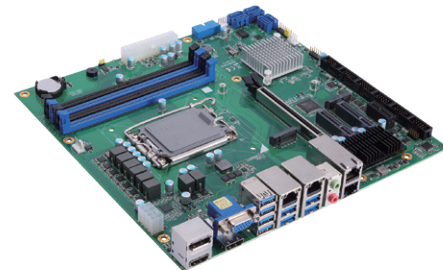
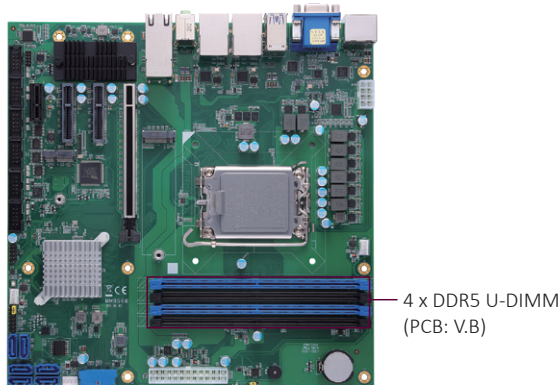


MMB566 NEW

Micro ATX Motherboard with LGA1700 Socket 14th/13th/12th Gen Intel® Core™ Processor, Intel® Q670E/R680E/H610E, 2 HDMI, 1 DisplayPort++, 1 VGA, 2 2.5GbE LAN, and 2 10GbE LAN



▲ DDR4 Side view



▲ DDR5 Side view



Quad-View



DDR4



DDR5



M.2



2.5GbE

Features

- LGA1700 socket 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor
- Intel® Q670E/R680E/H610E chipset
- 4 DDR4-3200 UDIMM, up to 128GB (PCB: V.A)
4 DDR5-5600 UDIMM, up to 192GB (PCB: V.B)
- 2 2.5GbE LAN and 2 10GbE LAN (optional)
- 10 USB 3.2 Gen 1
- 2 RS-232/422/485 and 4 RS-232
- 6 SATA 3.0 with RAID 0/1/5/10
- 1 PCIe x16, 2 PCIe x4, and 1 PCIe x1
- 1 M.2 Key M 2280 and 1 M.2 Key E 2230



Specifications

Core System

CPU	LGA1700 socket 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor (up to 125W)
System Memory	4 x DDR4-3200 UDIMM, up to 128GB (PCB: V.A) 4 x DDR5-5600 UDIMM, up to 192GB (PCB: V.B)
Chipset	Intel® Q670E/R680E/H610E
BIOS	AMI
SSD	1 x M.2 Key M 2280 with NVMe (H610E SKU is not supported)
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	1 x PCIe x16 2 x PCIe x4 (H610E SKU is not supported) 1 x PCIe x1 1 x M.2 Key E 2230
Battery Lithium	Lithium 3V/220mAH
Power Input	24+8-pin ATX connector with AT Mode Auto Power support
Dimensions	244 x 244 mm
Board Thickness	1.6 mm
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Humidity	10% to 95% relative humidity, non-condensing

Display

Graphics Core	Intel® UHD Graphics 700 series engine
Memory Size	Shared system memory
Display Interface	1 x DisplayPort++ 1 x VGA 2 x HDMI

I/O

SATA	6 x SATA 3.0 with RAID 0/1/5/10(Q670E/R680E SKU) 4 x SATA 3.0 (H610E SKU)
Hardware Monitoring	Detect CPU/system temperature, voltage, and fan speed
Ethernet	2 x 2.5GbE Ethernet with Intel® I226-LM 2 x 10GbE Ethernet with Intel® X550-AT2 (optional)
Audio	HD Codec audio as Mic-in/Line-out with Realtek ALC888S
USB	10 x USB 3.2 Gen 1 (Q670E/R680E SKU) 4 x USB 3.2 Gen 1 (H610E SKU) 2 x USB 2.0 with 2x5-pin wafer
Serial	2 x RS-232/422/485 4 x RS-232
TPM	TPM 2.0 with Intel® PTT
Digital I/O	8-channel in/out programmable

Packing List

Standard

I/O bracket

Ordering Information

Standard

MMS566-Q670E-S (P/N: E38W566101)	Micro ATX motherboard with LGA1700 socket Intel® Core™ processor, Intel® Q670E, two 2.5GbE LAN, and DDR4
MMS566-Q670E-S5 (P/N: E38W566107)	Micro ATX motherboard with LGA1700 socket Intel® Core™ processor, Intel® Q670E, two 2.5GbE LAN, and DDR5

Optional

713000001400	RGD3219-50-003 2U cooler LGA1700
MMS566-H610E-S (P/N: E38W566105)	Micro ATX motherboard with LGA1700 socket Intel® Core™ processor, Intel® H610E, two 2.5GbE LAN, and DDR4 (Per project request)
MMS566-H610E-S5 (P/N: E38W566106)	Micro ATX motherboard with LGA1700 socket Intel® Core™ processor, Intel® H610E, two 2.5GbE LAN, and DDR5 (Per project request)
MMS566-R680E-S5G (P/N: E38W566108)	Micro ATX motherboard with LGA1700 socket Intel® Core™ processor, Intel® R680E, two 2.5GbE LAN, two 10GbE LAN, and DDR5 (Per project request)