IMB542 – ATX Motherboard with 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Support

The IMB542 is an ATX Motherboard that supports 14th/13th/12th Gen processors. The motherboard supports up to 192GB of non-ECC DDR5 RAM and up to 3 displays using VGA, DVI, and HDMI interfaces.

SPECIFICATIONS

CPU	14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor (up to 125W)
Chipset	Intel® Q670
Memory Type	288-pin DDR5-4400 non-ECC Long-DIMM
Memory Slots	4
Maximum Memory Supported	192GB
Integrated Graphics	Intel® UHD Graphics
Audio	HD Codec Audio
Video	1 x VGA, 1 x DVI-D, 1 x HDMI 2.0
LAN Ports	1 x 10/100/1000 Mbps (Intel® I210-AT), 1 x 10/100/1000 Mbps (Intel® I219-V)
Serial ATA (SATA)	4 x SATA-600 with RAID 0/1/5/10

TPM	Not included by default; supports Intel® PTT as default
Watchdog Timer	255 levels, 1 to 255 sec
Extended Interface	1 x M.2 Key M 2280 PCIe x4, 1 x M.2 Key E 2230 (PCIe x1 + USB 2.0), 2 x PCIe x16 (Gen4 x16 + Gen3 x4), 3 x PCIe Gen4 x4, 2 x PCI
Rear I/O	1 x RS-232, 1 x PS/2, 6 x USB 3.2 Gen1x1, 1 x DVI, 1 x VGA, 1 x HDMI, 2 x LAN, 1 x MIC/Line-In/Line-Out
Internal I/O	3 x RS-232, 1 x RS-232/422/485, 1 x RS-232/485, 2 x USB 3.2 Gen1x1, 4 x USB 2.0, 1 x USB 2.0 (internal 180D Type-A)
Power Requirement	24 + 8-pin ATX connector
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Relative Humidity	10 ~ 95% (non-condensing)
OS Software Supported	Windows 11 64-bit
Global P/N / SKU	2809205

Ordering Options

IMB542 (SKU# 2809205): ATX motherboard with LGA1700 socket 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor, Intel® Q670, USB 3.2 Gen 1x1, SATA 3.0, GbE LAN, VGA, DVI-D, and HDMI

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