GLOBAL AMERICAN

IMB-1714 – ATX Motherboard with Intel® Q670 Chipset with 14th 13th and 12th Gen Processor Support and Triple Display

The IMB-1714 is a full-size ATX motherboard with support for Intel® 14th 13th and 12th generation processors. With full desktop performance and power along with 5th generation PCIe speeds, this motherboard is the perfect modern solution for industrial purposes. The IMB-1714 has multiple PCIe card slots across generations, allowing for a large amount of expansion options along with triple simultaneous display support.

SPECIFICATIONS

CPU	Intel® 14th/13th/12th Gen (Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S) Core™ Processors, up to 125W
CPU Socket	LGA1700
Memory Type	288-pin DDR5 4400MHz DIMM
Memory Slots	4
Maximum Memory Supported	192GB
Chipset	Intel® Q670
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	256 Segments, 0, 1, 2, …255sec
Video	1 x HDMI 2.0b, 1 x DisplayPort 1.4a ++, 1 x VGA
LAN Ports	1 x Intel® I226V 2.5GbE PoE, 1 x Intel® I226LM 2.5GbE vPro, 1 x Intel® I226V 2.5GbE
Serial ATA (SATA)	8 x SATA III (Supports RAID 0, 1, 5, 10)

Storage	1 x M.2 M-Key 2242/2260/2280/22110/25110 PCIe Gen4 x4
GPIO Interface	8 x GPI, 8 x GPO (shared with LPT header)
TPM	TPM 2.0 onboard IC
Extended Interface	2 x PCIe Gen5 x16 (or x8/x8 for dual), 2 x PCIe Gen4 x4, 3 x PCIe Gen3 x1, 1 x M.2 E-Key 2230 PCIe x1 USB and CNVi for Wireless, 1 x M.2 B-Key 3042/3052 PCIe x1 USB and SIM for 4G/5G
Rear I/O	1 x HDMI, 1 x DP, 1 x VGA, 3 x LAN, 5 x USB 3.2 Gen2, 1 x USB 3.2 Gen2x2 (Type-C, 5V/3A), 1 x RS-232/422/485, 1 x RS-232, 1 x Line-In, 1 x Line-Out, 1 x Mic-In
Internal I/O	1 x USB 3.2 Gen1 Header, 1 x USB 2.0 Header, 2 x USB Type-A, 4 x RS-232, 1 x LPT/GPIO, 1 x PS2, 1 x Thunderbolt Header
Audio	Realtek® ALC897 HD Audio
Power Requirement	24-pin ATX main power connector, 8-pin ATX 12V power connector
Dimensions	12" x 9.6" (305mm x 244mm)
Operating Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
Global P/N / SKU	2809166

Ordering Options

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