IMB-X1316-10G – Micro-ATX Motherboard with Intel® 14th/13th/12th Gen Processor Support

With its 10 Gigabit LAN, up to 192GB of RAM support, M.2 expansion capabilities, PCIe Gen5 slots, and Intel® 14th/13th/12th Gen Processor Support, the IMB-X1316-10G is a powerhouse of a motherboard for your high end computing needs.

SPECIFICATIONS

CPU	Intel® 14th/13th/12th Gen Core™ Processors up to 125W
Chipset	Intel® W680
Memory Type	DDR5 4400 MHz (2DPC – 1DIMM), 4000 MHz (2DPC – 2DIMM 1R), 3600 MHz (2DPC – 2DIMM 2R) ECC/non-ECC
Memory Slots	4
Maximum Memory Supported	192GB
Integrated Graphics	Intel® UHD Graphics
Audio	Realtek ALC897 HD
Video	2 x HDMI 2.0b, 1 x DisplayPort++ 1.4a, LVDS
LAN Ports	Intel® I226LM 2.5GbE LAN supports vPro, Intel® I210AT Gigabit LAN, Marvell AQC113 10 Gigabit LAN
Serial ATA (SATA)	8 x SATA III supports Intel® VMD RAID 0/1/5/10
GPIO Interface	8 x GPI, 8 x GPO (shared with LPT header)

TPM	TPM 2.0 onboard IC
Watchdog Timer	256 segments (0-255 sec/min)
Extended Interface	1 x M.2 (Key M, 2242/2280/25110) PCIe Gen4 x4, 1 x M.2 (Key M, 2242/2280) PCIe Gen3 x4, 1 x M.2 (Key E, 2230), 1 x M.2 (Key B, 3042/3052), 2 x PCIe Gen5 x16, 2 x PCIe Gen4 x4
Rear I/O	2 x USB 2.0, 5 x USB 3.2 Gen2, 1 x USB 3.2 Gen2x2 (Type C), 1 x COM, 2 x HDMI, 1 x DP, 3 x LAN, 1 x Audio stack
Internal I/O	2 x USB 3.2 Gen2, 1 x COM (RS232/422/485), 4 x COM (RS232), 1 x Parallel (shared with GPIO), 1 x GPIO, 1 x LVDS, 1 x speaker, 1 x PS/2, 1 x Thunderbolt (only PCIE3 support)
Power Requirement	24 + 8-pin ATX connector
Operating Temperature	0°C ~ 70°C (32°F ~ 158°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Relative Humidity	5 ~ 90% (non-condensing)
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit
Global P/N / SKU	2809173

Ordering Options

IMB-X1316-10G (SKU# 2809173): Micro-ATX Motherboard with 10 Gigabit LAN and Intel® 14th/13th/12th Gen Core™ Processor support (up to 125W) *If using PCIEx8/x16 card on PCIE2 slot, M.2 Key M2(M2_M2) is limited to install.