



IMB-X1240-WV – Mini-ITX Motherboard with Intel® 14th/13th/12th Gen Processor Support

This Mini-ITX motherboard with Intel® 14th/13th/12th Gen Processor Support comes packed with next gen features such as DDR5 SO-DIMM memory slots, PCIe x16 Gen5, M.2 NVMe, 12~28V DC-In, and 4 x GPI 4 x GPO GPIO pins. This small but powerful board is a great choice for your next application where long term availability is needed.

SPECIFICATIONS

CPU	Intel® 14th/13th/12th Gen Core™ Processors up to 65W
Chipset	Intel® W680
Memory Type	DDR5 4800/5600 MHz* ECC/non-ECC *Actual memory frequency depends on the CPU types and DRAM modules.
Memory Slots	2
Maximum Memory Supported	64GB
Integrated Graphics	Intel® UHD Graphics
Audio	Realtek ALC897 HD
Video	2 x HDMI 2.0b, 1 x DP 1.4a, 1 x LVDS, 1 x eDP 1.4b
LAN Ports	Intel® I226V 2.5GbE LAN, Intel® I219LM Gigabit LAN supports vPro
Serial ATA (SATA)	2 x SATAIII supports Intel® VMD RAID 0/1
GPIO Interface	4 x GPI, 4 x GPO
TPM	TPM 2.0 onboard IC
Watchdog Timer	256 segments (0-255 sec/min)
Extended Interface	1 x M.2 (Key M, 2242/2280) PCIe Gen4 x4, 1 x M.2 (Key M, 2242) PCIe Gen4 x4 SATA3, 1 x M.2 (Key E, 2230) PCIe x1 USB/Wireless, 1 x M.2 (Key B, 3042/3052) PCIe x1 USB 3.2/USB 2.0/4G/5G, 1 x PCIe x16

Rear I/O	2 x HDMI 2.0b, 1 x DP 1.4a++, 1 x 2.5 Gigabit LAN, 1 x 1 Gigabit LAN, 4 x USB 3.2 (Gen2), Mic-in Line-out
Internal I/O	2 x USB 3.2, 4 x USB 2.0, 2 x COM, 4 x GPI 4x GPO, 1 x LVDS, 1 x eDP, 1 x SATA PWR Out
Power Requirement	12~28V DC-In with 4-pin wafer PWR cable or DC Jack (Screw type)
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	2809175

Ordering Options

IMB-X1240-WV (SKU# 2809175): Mini-ITX Motherboard with Intel® 14th/13th/12th Gen Core™ Processor support (up to 65W)

*If motherboard ambient temp. is over 55°C, a memory thermal solution should be added to avoid thermal issues.