



MI225H610 – Mini-ITX Motherboard with Intel® H610 Chipset with Intel® 14th 13th 12th Gen Processor Support

The MI225H610 is a Mini-ITX motherboard with support for Intel® 14th, 13th, and 12th generation processors. It has support for up to three simultaneous displays along with a wide array of expansion options ensuring this board is well equipped for several markets. The MI225H610 has a small form factor allowing for deployment in tight spaces without compromising on power or functionality.

SPECIFICATIONS

CPU	Intel® 12th / 13th / 14th Gen Processors up to 65W TDP and IccMax 180A (Formerly Alder Lake-S / Raptor Lake-S / Raptor Lake Refresh)
CPU Socket	LGA1700
Memory Type	262-pin DDR5 5600MHz SO-DIMM (12th Gen CPU only supports 4800MHz)
Memory Slots	2
Maximum Memory Supported	96GB
Chipset	Intel® H610
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	10 ~ 255 min/sec
Video	1 x HDMI 2.0b 4K@60Hz, 1 x Displayport 1.4a 4K@60Hz, 1 x VGA, 1 x eDP/LVDS combo
LAN Ports	1 x Intel I225-V 2.5GbE, 1 x Intel I219-V PHY GbE
Serial ATA (SATA)	4 x SATA III
GPIO Interface	1 x 8-bit GPIO Header

TPM	Intel fTPM 2.0 (PTT), Optional Onboard NUVOTON TPM v2.0
Extended Interface	1 x PCIe Gen4 x16, 1 x M.2 M-Key 2280 PCIe Gen3 x4 NVMe, 1 x M.2 E-Key 2230 USB2.0 and PCIe 3.0 x1 CNVi WiFi, 1 x M.2 B-Key 3042 PCIe 3.0 x1 for SIM
Rear I/O	1 x HDMI, 1 x DP, 1 x VGA, 2 x LAN, 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen1, 2 x USB 2.0, 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	4 x SATA III, 2 x USB 2.0 Headers, 4 x RS-232, 1 x GPIO, 1 x LVDS/eDP, 1 x Audio, 1 x PS/2 Header, 1 x SMBUS
Audio	Realtek ALC888S HD Audio
Power Requirement	24-pin ATX main power connector, 4-pin ATX 12V power connector
Dimensions	6.7" x 6.7" (170mm x 170mm)
Operating Temperature	0 ~ 60°C (32 ~ 140°F) with 0.7m/s air flow
Storage Temperature	-20 ~ 85 °C (-4 ~ 185 °F)
Relative Humidity	10 ~ 90% @40°C non-condensing
OS Software Supported	Windows 10 64-bit, Windows 10 IoT Enterprise 64-bit, Windows 11 64-bit, Windows 11 IoT Enterprise 64-bit, CentOS 9, Debian 11.4, Fedora 36-1.5, OpenSUSE 15.4, Ubuntu 22.04, pfSense 2.6.0, OpenBSD 7.1
Global P/N / SKU	2809185

Ordering Options

MI225H6100 (SKU# 2809185A): Mini-ITX Industrial Motherboard with Intel® H610 Chipset MI225H6102 (SKU# 2809185B): Mini-ITX Industrial Motherboard with Intel® H610 Chipset and onboard TPM 2.0