



MI225 – Mini-ITX Motherboard with Intel Q670E or R680E Chipset

The MI225 is a Mini-ITX motherboard with support for Intel® 12th and 13th Gen processors. It has optional ECC memory support along with a wide array of expansion options ensuring this board is well equipped for several markets. The MI225 has a small form factor allowing for deployment in places where space is at a premium without compromising on power or functionality.

SPECIFICATIONS

CPU	Intel® 12th and 13th Generation processors up to 65W TDP
CPU Socket	LGA1700
Memory Type	262-pin DDR5 5600MHz SO-DIMM Q670E Chipset: Non-ECC, R680E Chipset: ECC/Non-ECC (12th Gen Processor only supports up to 4800MHz)
Memory Slots	2
Maximum Memory Supported	64GB
Chipset	Intel® Q670E or R680E
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	10~ 255 min/sec
Video	1x HDMI 2.0b 4K@60Hz, 1x Displayport 1.4a 4K@60Hz, 1x VGA, 1x eDP/LVDS combo
LAN	1x Intel i219-LM Gigabit LAN (IAMT), 1x Intel i225-V2.5GbE
Storage	4 x SATA III Supporting RAID 0/1/5/10, 1x M.2 M-Key 2242 PCIe 4.0 x4, 1x M.2 M-Key 2280 PCIe 3.0 x4
GPIO Interface	1x GPIO 8-bit

Extended Interface	1x PCIe 4.0 x16slot (x16or x8/x8 bifurcation), 1x M.2 E-key2230 (USB2/PCIe), 1x M.2 B-key3042 with SIM slot for Cellular (USB3/USB2/PCIe)
Rear I/O	6 xUSB 3.2 Gen2, 2 xLAN, 1x HDMI, 1x DP, 1x VGA, 1x RS-232/422/485, 1x RS-232, 1x Line-In, 1x Line-Out, 1x Mic
Internal I/O	2 xUSB 3.2 Gen1, 3 xUSB 2.0, 4 xRS-232, 1x PS/2 Header, 1x LVDS/eDP, 1x GPIO, 1x SMBUS
Audio	Realtek HD Audio
Power Requirement	24-pinATXmain power connector, 4-pinATX12Vpower connector
Dimensions	6.69" x6.69" (170mmx170mm)
Operating Temperature	0 ~ 60° C (32 ~ 140°F)
Storage Temperature	-20~ 85 °C (-4~ 185 °F)
Relative Humidity	10~ 90% @ 40°C (non-condensing)
OS Software Supported	Windows 1064-bit, Windows 10IoT Enterprise 64-bit, Windows 1164-bit Windows 11IoT Enterprise 64-bit, CentOS 9, Debian 11.4, Fedora 36-1.5 OpenSUSE 15.4, Ubuntu22.04, pfSense2.6.0, OpenBSD 7.1
Global P/N / SKU	2809179

Ordering Options

MI225Q6700 (SKU# 2809179A): Mini-ITXMotherboard with Intel Q670E Chipset MI225Q6702 (SKU# 2809179B): Mini-ITXMotherboard with Intel Q670E Chipset with onboard TPM 2.0 MI225R6800 (SKU# 2809179C): Mini-ITXMotherboard with Intel R680E Chipset MI225R6802 (SKU# 2809179D): Mini-ITXMotherboard with Intel R680E Chipset with onboard TPM 2.0 For ECC memory, please contact sales.