



MI22-H6100- Intel® 12th/13th Generation Mini-ITX Motherboard with Multiple Expansion

The MI22-H6100 is a Mini-ITX form factor board which adopts the Intel® 12/13th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports up to 64GB memory, has four SATAIII (6Gb/s) interfaces and one M.2 M-key (2280, PCIe Gen.3 x4) supporting NVMe for storage. One M.2 E-key (2230, USB2.0/PCIe Gen.3 x1) supports CNVi, one M.2 B-key (3042, PCIe Gen.3 x1) supports 4G/5G, two USB3.2 Gen.2 ports, two USB3.2 Gen.1 ports, five USB2.0 ports, and six COM ports provide versatile expansion. The PCIe Gen.4 x16 slot can support riser cards for different expansion. The MI22-H6100 Series offers one each of HDMI2.0, VGA, DP1.4 port, and LVDS/eDP which can support 3 independent displays. With the above features, the MI22-H6100 Series is suitable for Industrial PCs, Factory Automation, Public Sector, Digital Security, and Surveillance applications.

SPECIFICATIONS

CPU	Intel® 12th/13th LGA1700 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP)
Chipset	H610
Memory Type	260-pin DDR4 3200MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	64GB
Audio	Realtek ALC888S HD Audio
Integrated Graphics	Intel® HD Graphics
Watchdog Timer	From Super I/O to drag RESETCON#; 256 segments (10sec ~ 255min)
Serial ATA (SATA)	4 x SATA 6Gbps(SATA III)
Video	1 x DP 1.4a (Max Resolution: 4096×2304@60Hz); 1 x HDMI 2.0b (Max Resolution: 4096×2160@60Hz); 1 x LVDS/eDP (Max Resolution: 1920×1200@60Hz); 1 x VGA (Max Resolution: 1920×1080@60Hz)
LAN Ports	1 x Intel® i219V GbE, 1 x Intel® i225V 2.5GbE
TPM	Yes (MI22-H6102 only)
Extended Interface	3 x USB2.0, 4 x COM (RS232), 1 x M.2 M-Key (2280, PCIe Gen.3 x4 interface) supports NVMe, x1 interface) supports 4G/5G Module, 1 x SIM slot, 1 x PS/2, 1 x GPIO (8 bit)
External I/O	1 x HDMI, 1 x DP, 1 x VGA, 2 x RJ45 Ethernet, 2 x USB3.2 (Gen.2), 2 x USB3.2 (Gen.1), 2 x USB2.0, 1 x COM (RS232/422/485), 1 x COM (RS232)
Power Requirement	ATX PWR (4+24 pin)
Dimensions	6.7" x 6.7" (170mm x 170mm)
Operating Temperature	-10 ~ 50° C
Storage Temperature	-20 ~ 85° C
Relative Humidity	10% ~ 90% RH @40°C (non-condensing)
OS Software Supported	Windows 10, Windows 11, Linux
Global P/N / SKU	2809156