

MI23-H610X Series

Mini-ITX Embedded Motherboard, 12th/13th Generation Intel® Core i9/i7/i5/i3 Pentium LGA1700 Socket Processor, H610E Chipset (Max. 65W TDPs under 180A), DDR5 up to 64GB, 4* SATAIII, 6* 2.5GbE

Features

1. Intel® LGA1700 Socket supports 12th/13th Gen. Core Processor (Max. 65W TDPs under 180A)
2. Intel® H610E Chipset
3. 2* DDR5 4800MHz SO-DIMM up to 64GB
4. 4* SATAIII (6Gb/s)
5. 1* M.2 (M-key), 1* M.2 (E-key), 1* M.2 (B-key)
6. 6* 2.5GbE, 3* RS232
7. 2* USB3.2 (Gen.2), 1* USB3.2 (Gen.1), 5* USB2.0
8. 24pin ATX + 4pin 12V
9. Support JetBIOS SW back up tool for BIOS recovering
10. Support onboard TPM 2.0 (MI23-H6102 only)



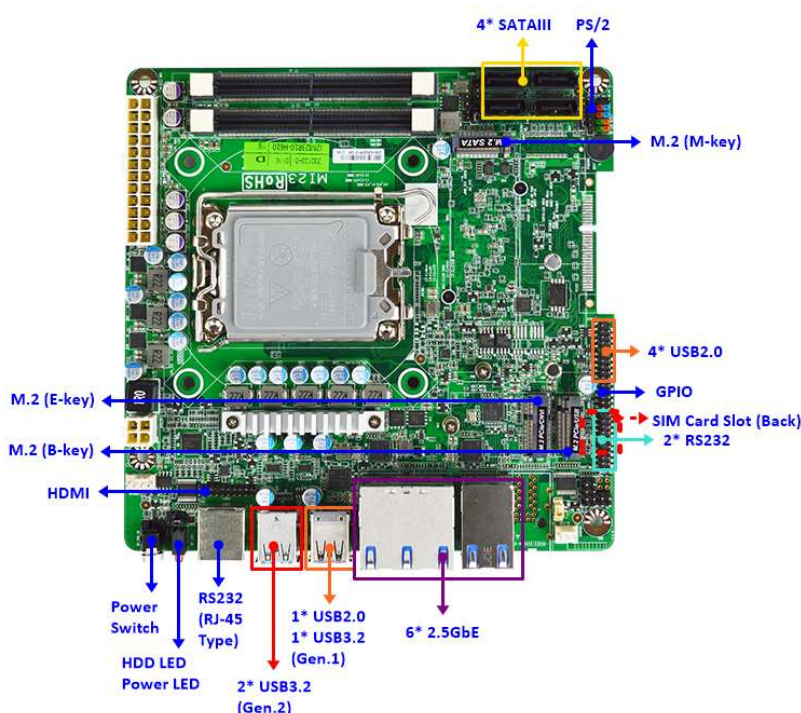
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Overview

The JETWAY MI23-H610X Series adopt the Intel®LGA1700 socket processor and are equipped with two DDR5 SO-DIMM slot up to 64GB. Featuring the integrated Intel® 2.5 Gigabit Ethernet controller for six 10/100/1000/2500 Base-TX Ethernet devices for network transmission. One M.2 M-key (2280, PCIe Gen.4 x4 w/SATA interface) support NVMe and four SATAIII for multiple storage choices. One M.2 E-key (2230, USB2.0/PCIex1) support CNVi and one M.2 B-key (3042, USB3.2 Gen.1/USB2.0/PCIex1 interface) support 4G module. The MI23-H610X Series are two USB3.2 Gen.2 ports, one USB3.2 Gen.1 port, five USB2.0 ports, and three RS232 for versatile expansions. MI23-H610X Series are suitable for IoT, High Performance Networking Application, and Firewall solution.

Application: IoT / High Performance Networking Application / Firewall

I/O Diagram



Specifications

Model	- MI23-H6100 (H610E) - MI23-H6102 (H610E, onboard TPM2.0)
Form Factor	Mini-ITX (170 * 170 mm)
Processor System	- Intel® 12th/13th LGA1700 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDPs under 180A) - Intel® H610E Chipset - AMI Flash ROM BIOS <i>*Support recover crashed BIOS data tool by a USB flash pen driver:</i> <i>1. Using JetBIOS SW back up tool with any external USB ports</i>
Memory	2* DDR5 4800MHz SO-DIMM up to 64GB
Storage	4* SATAIII (6 Gb/s) (SATA4 share with M.2 M-key 2280) 1* M.2 M-key (2280, PCIe Gen.4x4 w/SATA interface) support NVMe
Expansion	1* M.2 E-key (2230, USB2.0/PCIe x1) support CNVi 1* M.2 B-key (3042, USB3.2 Gen.1/USB2.0/PCIe x1) support 4G Module
Ethernet	1* Intel® i225-LM 2.5GbE 5* Intel® i225-V 2.5GbE
Graphics	- Intel® UHD Graphics, shared memory 1* HDMI (Max Resolution: 1920x1080@60Hz)
Audio	NA
Watchdog Timer	- From Super I/O to drag RESETCON# 256 segments (10sec ~ 255min)
Internal I/O	4* USB2.0 4* SATAIII 2* RS232 1* Chassis intrusion 1* HDMI 1* PS/2 1* SIM card slot 1* GPIO 1* SMBUS 1* AT mode
External I/O	2* USB3.2 (Gen.2) 1* USB3.2 (Gen.1) 1* USB2.0 6* RJ45 2.5GbE 1* RS232 - Power Button - Power LED
Power	ATX PWR (4 + 24 pin) - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	CE, FCC, RoHS, REACH
Temperature	- Operating Temperature: 0 ~ 60° C - Storage Temperature: -20 ~ 85° C - Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	Windows 10, Windows 11, Linux
Warranty	2 Years limited warranty

* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Standard Accessories

Part Number	Description
-----	MI23-H610X Series M/B
	MI23 I/O shield
G01-SATA3-BL-1F	SATA cable
G01-COM-H2M20-1F	COM cable
G01-2X10A-HDMI-F	HDMI cable