

MI23-H610X Series

Intel® H610/610E Chipset support LGA 1700 socket for the 14th/13th/12th Gen (Raptor Lake-S/Alder Lake-S) i9/i7/i5/i3 processor (Max. 65W TDPs under 180A) support DDR5 up to 64GB, 4* SATAIII, 6* 2.5GbE

Features

1. Intel® LGA1700 Socket supports 14th/13th/12th Gen. Core Processor (Max. 65W TDPs under 180A)
2. Intel® H610/H610E Chipset
3. 2* DDR5 5600MHz/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)

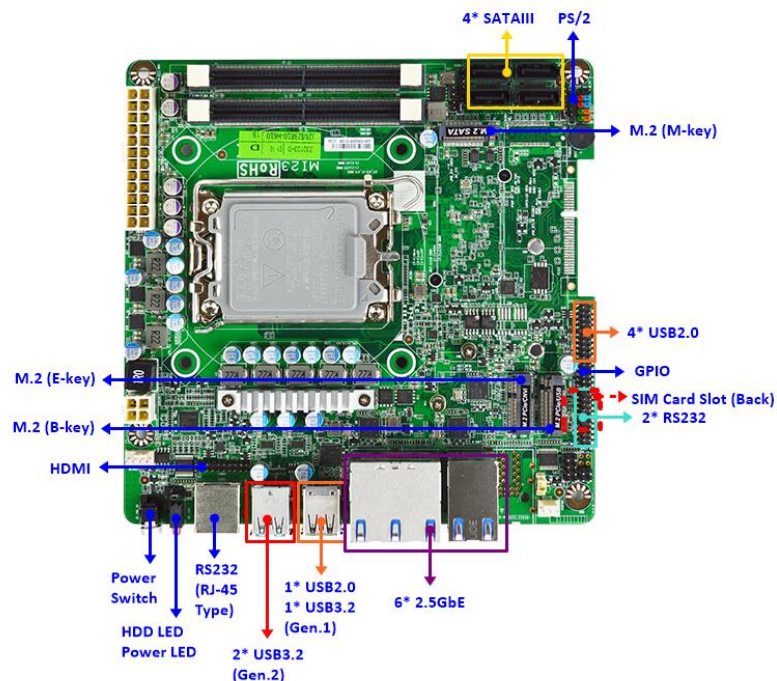


Overview

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, SATA interface) and four SATAIII for multiple storage choices. One M.2 E-key (2230, USB2.0/PCIe1) support CNVi and one M.2 B-key (3042, USB3.2 Gen.1/USB2.0/PCIe1 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	<ul style="list-style-type: none"> MI23-H6100 MI23-H6102 (onboard TPM2.0)
Form Factor	<ul style="list-style-type: none"> Mini-ITX (170 * 170 mm)
Processor System	<ul style="list-style-type: none"> Intel® 14th/13th/12th Gen (Raptor Lake-S/Alder Lake-S) LGA1700 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDPs under 180A) Intel® H610/H610E Chipset (Default: H610) AMI Flash ROM BIOS <p>*Support recover crashed BIOS data tool by a USB flash pen driver:</p> <ol style="list-style-type: none"> Using JetBIOS SW back up tool with any external USB ports
Memory	<ul style="list-style-type: none"> Intel® 14th/13th CPU support 2* DDR 5600MHz SO-DIMM up to 64GB Intel® 12th CPU support 2* DDR5 4800MHz SO-DIMM up to 64GB
Storage	<ul style="list-style-type: none"> 4* SATAIII (6 Gb/s) (SATA4 share with M.2 M-key 2280) 1* M.2 M-key (2280, SATA interface)
Expansion	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 6* Intel® i225-V 2.5GbE
Graphics	<ul style="list-style-type: none"> Intel® UHD Graphics, shared memory 1* HDMI (Max Resolution: 1920x1080@60Hz)
Audio	<ul style="list-style-type: none"> NA
Watchdog Timer	<ul style="list-style-type: none"> From Super I/O to drag RESETCON# 256 segments (10sec ~ 255min)
Internal I/O	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 2* USB3.2 (Gen.2) 1* USB3.2 (Gen.1) 1* USB2.0 6* RJ45 2.5GbE 1* RS232 Power Button Power LED
Power	<p>ATX PWR (4 + 24 pin)</p> <ul style="list-style-type: none"> - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	CE, FCC, RoHS, REACH
Temperature	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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
F04-MB-096-F	MI23 I/O shield
G01-SATA3-BL-1F	1* SATA cable
G01-COM-H2M20-1F	1* COM cable
G01-2X10A-HDMI-F	1* HDMI cable

Mechanical Drawings (Unit=mm)

