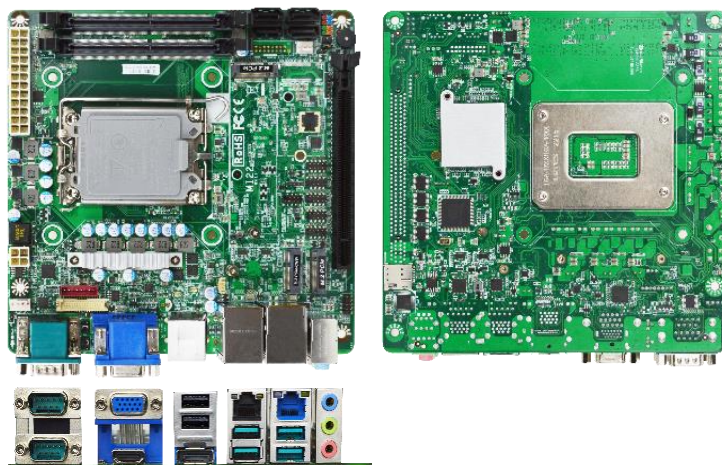


MI22-H6100 Series

Mini-ITX Embedded Motherboard, 12th/13th Generation Intel® Core™ i7/ i5 /i3, Celeron & Pentium® LGA1700 Socket Processor, Max. 65W (180A) TDPs

Features

1. Intel® 12th/13th LGA1700 Socket Processor (Max. 65W TDP)
2. Intel® H610 Chipset
3. 2* DDR4 3200MHz SO-DIMM up to 64GB
4. 1* 10/100/1000 Base-TX & 1* 10/100/1000/2500 Base-TX Ethernet Ports
5. 1* HDMI, 1* DP, 1* VGA, 1* LVDS/eDP
6. 6* COM (COM1 support RS232/422/485), 2* USB3.2 Gen.2, 2* USB3.2 Gen.1, 5* USB2.0
7. 1* PCIe Gen.4 x16 slot, 1*M.2 M-Key (2280, PCIe Gen.3 x4 interface) support NVMe, 1*M.2 E-key (2230, USB2.0/PCIe Gen.3 x1 interface) support CNVi, 1*M.2 B-key (3042, PCIe Gen.3 x1 interface) support 4G/5G Module
8. 4* SATAIII (6Gb/s)
9. Support Onboard TPM2.0 (MI22-H6102 only)

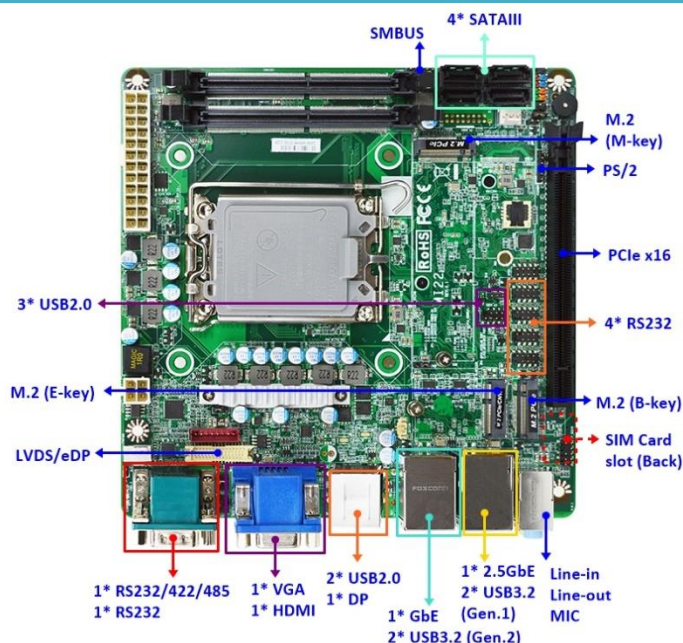


Overview

The JETWAY MI22-H6100 Series is Mini-ITX form factor board adopts the Intel® 12th/13th generation Core i7/i5/i3, Pentium & Celeron Processor. The board supports two DDR4 SO-DIMM 3200MHz memory, up to 64GB. Featuring the integrated Intel® Ethernet controller, the MI22-H6100 Series offers one 10/100/1000 & one 10/100/1000/2500 Base-TX Ethernet devices for network transmission. Four SATAIII (6Gb/s) interface and one M.2 M-key (2280, PCIe Gen.3 x4) support NVMe offer storage devices. One M.2 E-key (2230, USB2.0/PCIe Gen.3 x1) support CNVi, one M.2 B-key (3042, PCIe Gen.3 x1) support 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 Jetway riser card for different expansion. The MI22-H6100 Series offers one HDMI2.0 port, one VGA port, one DP1.4 port, and one LVDS/eDP port which can support 3 independent displays.

Application: Edge Computing/ Digital Signage/ Industrial PCs/ Factory Automation/ Public Sector/ Digital Security/ Surveillance application

I/O Diagram



Specifications

Model	<ul style="list-style-type: none"> MI22-H6100 MI22-H6102 (onboard TPM2.0)
Form Factor	<ul style="list-style-type: none"> Mini-ITX (170 * 170mm)
Processor System	<ul style="list-style-type: none"> Intel® 12th/13th LGA1700 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP) Intel® H610 Express Chipset AMI 256Mb Flash ROM BIOS
Memory	<ul style="list-style-type: none"> 2* Dual CH non-ECC DDR4 3200MHz SDRAM SO-DIMM up to 64GB
Storage	<ul style="list-style-type: none"> 4* SATAIII (6 Gb/s) 1* M.2 M-Key (2280, PCIe Gen.3 x4 interface) support NVMe
Expansion	<ul style="list-style-type: none"> 1* M.2 E-Key (2230, USB2.0/PCIe Gen.3 x1 interface) support CNVi 1* M.2 B-key (3042, PCIe Gen.3 x1 interface) 1* PCIe Gen.4 x16
Ethernet	<ul style="list-style-type: none"> 1* Intel® i219V GbE 1* Intel® i225V 2.5GbE
Graphics	<ul style="list-style-type: none"> Intel® HD Graphics, shared memory 1* DP 1.4a (Max Resolution: 4096x2304@60Hz) 1* HDMI 2.0b (Max Resolution: 4096x2160@60Hz) 1* LVDS/eDP (Max Resolution: 1920x1200@60Hz) 1* VGA (Max Resolution: 1920x1200@60Hz) Support Triple Displays
Audio	<ul style="list-style-type: none"> HD audio: Realtek ALC888S
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"> 3* USB2.0 1* LVDS/eDP 4* SATAIII 4* COM (RS232) 1* M.2 M-Key (2280, PCIe Gen.3 x4 interface) support NVMe 1* M.2 E-Key (2230, USB2.0/PCIe Gen.3 x1 interface) support CNVi 1* M.2 B-key (3042, PCIe Gen.3 x1 interface) support 4G/5G Module 1* SIM slot 1* PS/2 1* GPIO (8 bit) 1* Chassis intrusion 1* Audio Header 1* SMBUS 1* AT mode Support onboard TPM2.0 (MI22-H6102)
External I/O	<ul style="list-style-type: none"> 1* HDMI 1* DP 1* VGA 2* RJ45 Ethernet 2* USB3.2 (Gen.2) 2* USB3.2 (Gen.1) 2* USB2.0 1* COM (RS232/422/485) 1* COM (RS232) Line-in, Line-out, MIC
Power	<p>ATX PWR (4+24 pin), AT/ATX Supported</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, LVD, RoHS, REACH
Temperature	<ul style="list-style-type: none"> Operating Temperature: -10 ~ 50° 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
MI22-H6100 Series	MI22-H6100 Series M/B
	MI22 I/O shield
G01-COM-H2M22-1F	COM cable
G01-SATA3-BL-1F	SATA cable

Mechanical Drawings (Unit=mm)

