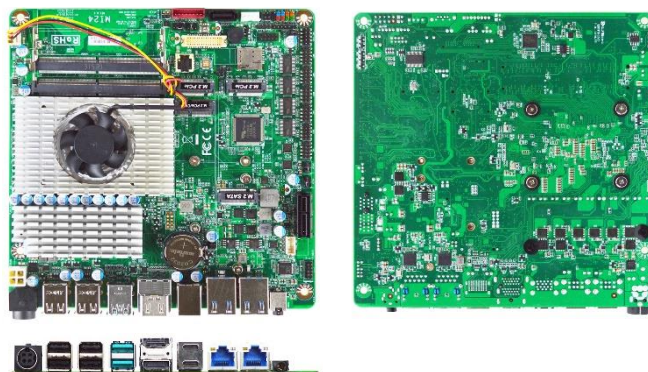


Slim Mini ITX MI24 Series

*Slim Mini-ITX with Intel® 13th Raptor Lake-P i5-1335UE/i5-1335U SoC Processor, 15W TDPs, 2*DDR5 5200MHz*

Features

1. Intel® 13th Raptor Lake-P i5-1335UE/i5-1335U SoC Processor
2. 2* DDR5 5200MHz SO-DIMM up to 64GB
3. 2* M.2 M-key, 1* M.2 E-key for WiFi, 1* M.2 B-key for 4G/5G module, 1* SIM card, 1* PCIe Gen.3 x1
4. 2* HDMI, 1* LVDS (co-lay eDP)
5. 4* RS232, 2* RS232/422/485, 1* SATAIII (6Gb/s)
6. 2* USB3.2 (Gen.2), 2* USB3.2 (Gen.2) Type-C support DP ALT mode and PD 5V/3A, 7* USB2.0
7. Onboard TPM2.0 (option)
8. Support JetBIOS back up tool
9. 12~24V DC-in



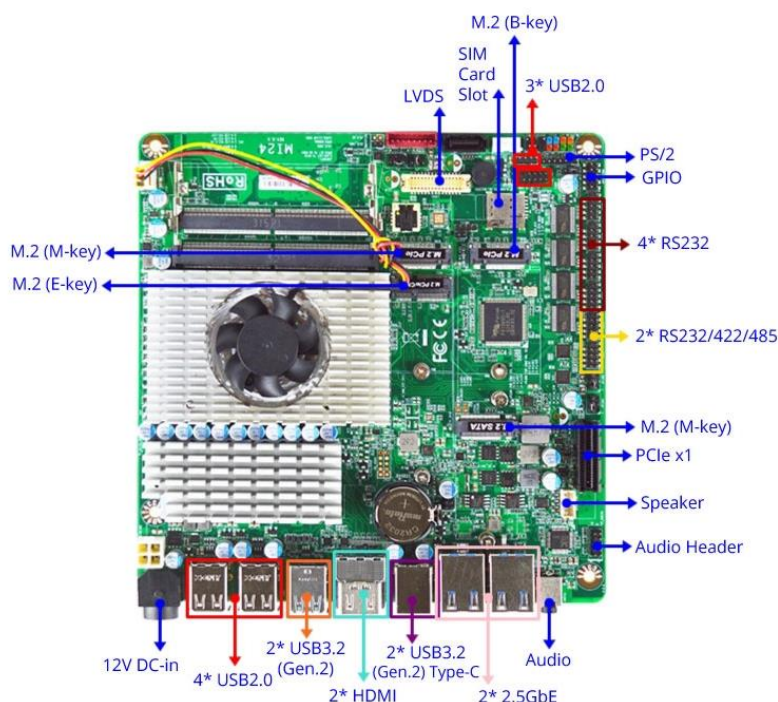
intel. FC CE RoHS COMPLIANT

Overview

The JETWAY MI24 Series adopts the Intel® Raptor Lake-P i5-1335UE/i5-1335U SoC processor support 15W TDPs SKU. MI24 Series equipped with the latest two DDR5 5200MHz SO-DIMM up to 64GB, one M.2 M-key (2242/2280) support NVMe, one M.2 M-key (2242), one SATAIII for storage choices. For versatile expansions, the MI24 Series provides one M.2 E-key (2230) support CNVi for WiFi, one M.2 B-key (3042/3052) for 4G/5G module, and one PCIe Gen.3 x1 slot. MI24 Series also has seven USB2.0, two USB3.2 (Gen.2) up to 10Gbps, two USB3.2 (Gen.2) Type-C support ALT mode for multiple hub expansion application with four RS232 and two RS232/422/485 so customers can connect different peripherals to meet their needs. MI24 Series also has two HDMI2.0b and one internal LVDS (co-lay eDP) to support quad displays. MI24 Series designs provide rich features which can be used for Industrial Automation and KIOSK needs.

Application: Industrial Automation / Industrial Panel PC / KIOSK

I/O Diagram



Specifications

Model	• MI24-133E0 (Default: i5-1335UE) • MI24-133E2 (i5-1335UE, onboard TPM2.0) • MI24-13350 (i5-1335U) • MI24-13352 (i5-1335U, onboard TPM2.0)
Form Factor	• Slim ITX (170 * 170mm)
Processor System	• Intel® 13th Raptor Lake-P i5-1335UE/i5-1335U SoC Processor • AMI Flash ROM BIOS *Support recover crashed BIOS data tool by a USB flash pen driver: 1. Using JetBIOS SW back up tool with any external USB ports
Memory	• 2* DDR5 5200MHz Dual Channel SO-DIMM up to 64GB
Storage	• 1* SATAIII (6 Gb/s) • 1* M.2 M-key (2242/2280, PCIe Gen.4x4 interface) support NVMe • 1* M.2 M-key (2242, SATA interface)
Expansion	• 1* M.2 E-key (2230, USB2.0/PCIe x1 interface) support CNVi for WiFi • 1* M.2 B-key (3042/3052, USB3.1/USB2.0/PCIe x1 interface) for 4G/5G module • 1* PCIe Gen.3 x1
Ethernet	• 1* Intel i225-LM 2.5GbE • 1* Intel i225-V 2.5GbE
Graphics	• Intel® Iris® Xe Graphics, shared memory • 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz) • 2* DP1.4a (Max Resolution: 4096x2304@60Hz) from Type-C • 1* 24 Bit Dual Channel LVDS/eDP (Max Resolution: 1920 x 1200@60Hz) • Support Quad Displays
Audio	• HD audio: Realtek ALC888S + 3W Amplifier
Watchdog Timer	• From Super I/O to drag RESETCON# • 256 segments (10sec ~ 255min)
Internal I/O	• 3* USB2.0 • 4* RS232 • 2* RS232/422/485 • 1* LVDS (eDP option) • 1* SATAIII • 1* Speak connector • 1* Audio Header • 1* SIM Card Slot • 1* PS/2 • 1* SMBUS • 1* 8-bit GPIO • 1* Chassis intrusion • 1* AT mode
External I/O	• 2* USB3.2 (Gen.2) • 2* USB3.2 (Gen.2) Type-C support DP ALT mode and PD 5V/3A • 4* USB2.0 • 2* HDMI • 2* RJ45 • 1* Audio Jack (Line-out/MIC combo) • 12~24V 4-pin DC-in PWR jack
Power	12~24V DC-in, AT/ATX Supported - 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	• Operating Temperature: 0 ~ 60° C • Storage Temperature: -20 ~ 85° C • Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	• Linux • Windows 10 • Windows 11
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
-----	MI24 Series M/B
F04-MB-101-F	MI24 I/O shield
G01-COM-H2M22-1F	2* COM cable
G01-SATA3-BL-1F	1* SATAIII cable
G01-PW4PS2S-322-1F	1* SATA PWR cable

Mechanical Drawings (Unit=mm)

