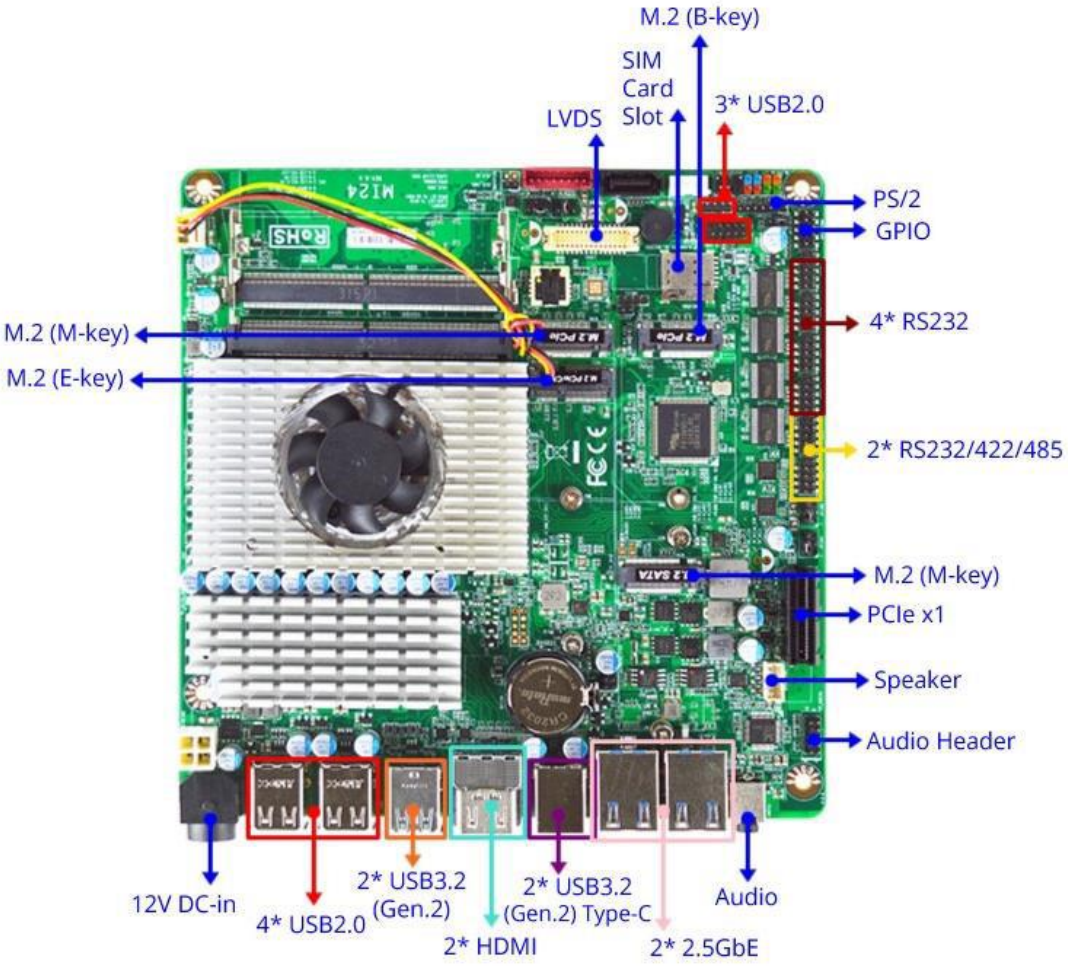
MI24

Thin Mini-ITX Industrial Embedded Motherboard
13th Gen i5-1335UE / 4 Displays / 12V - 24V



Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q1'2038
2. Intel Core i5-1335UE processor, Ten-Core (2P+8E), Raptor Lake-P, vPro Essentials
3. Using 8GB/16GB modules max is 32GB DDR5-5200
   Using 32GB modules max is 64GB DDR5-4400
4. Up to 4 Displays, 2*HDMI, 2*USB-C(DP), eDP/LVDS
5. 2 * Intel 2.5GbE, 1 * SATA3 6Gb/s Port
6. M.2 M-key PCIE 4.0 x4 NVME, M.2 M-key SATA
7. M.2 for Cellular with SIM Card Holder, M.2 for WIFI
8. 4 * USB 3.2 Gen2, 7 * USB 2.0, 8bit GPIO, HD Audio
9. 6 * Serial Headers, Watchdog Timer, AT/ATX Power Mode
10. 12-24V DC-in or 4-pin Alternate Internal Power Connector
11. Compatible with Windows 10/11 64bit, UEFI Linux



Model / Series	■ MI24
Part No	■ MI24-133E0, MI24-133E2 (TPM2)
Processor	■ Intel Core i5-1335UE, Ten-Core (2P+8E), Raptor Lake-P (Optional: Celeron, i3, i5, i7), with fan
Chipset	■ SoC
Video	■ Intel Iris Xe Graphics, up to 4 displays
Memory	■ 2 * SO-DIMM slots supporting DDR5 ■ *Using 8GB or 16GB modules then up to 32GB DDR5-5200 ■ *Using 32GB modules then up to 64GB DDR5-4400
Expansion Slots	■ PCIE 3.0 x1 slot ■ M.2 E-key 2230 (USB/PCIE/CNVI) ■ M.2 B-key 3042/3052 (USB3/USB2/PCIE) with SIM Card Holder
Storage	■ 1 * SATA3 6Gb/s port ■ M.2 M-key PCIE 4.0 x4 NVME 2242/2280 ■ M.2 M-key SATA 2242
Audio	■ Realtek HD Audio, 3W L+R Amp
Network	■ 1 * Intel i225/i226-V 2.5GbE, 1 * Intel I225/i226-LM
Other Features	■ Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec., TPM2 IC optional
Rear Panel I/O	■ 2 * USB 3.2 Gen2 ports, 2 * USB 3.2 Gen2 USB-C ports (DP ALT Mode) ■ 4 * USB 2.0 ports, 2 * RJ-45 LAN ■ 2 * HDMI 2.0b 4K @60Hz ■ 3.5mm Line-out/Mic combo jack ■ 12-24V DC-in jack 4-pin Mini-DIN
Internal I/O	■ 2 * USB headers for 3 * USB 2.0 ports ■ 6 * Serial headers (4 * RS232, 2 * RS232/422/485) ■ 8bit GPIO, SMBus, PS/2 Mouse/KB combo header, AT/ATX power switch mode ■ 4-pin 12-24V Alternate internal power connector
BIOS	■ AMI Flash ROM
Box Contents	■ MI24 Motherboard, I/O Shield
Certification	■ CE, FCC, RoHS, ErP/EuP, REACH
Temperature	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	■ Thin Mini-ITX Form Factor (170mm x 170mm)
Warranty	■ 2 Years Limited Warranty

*Specifications subject to change without notice, not responsible for typographical errors. Overclocking not supported.

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