



MI24 – Thin Mini-ITX Motherboard with Intel® 13th Gen Raptor Lake–P Processor

The MI24 is a Thin Mini-ITX motherboard equipped with an Intel® 13th Gen Raptor Lake–P i5–1335U or i5–1335UE processor. It has a small form factor and low height allowing for deployment in environments where space availability is at a premium. The MI24 has an impressive amount of I/O and supports up to 4 simultaneous displays.

SPECIFICATIONS

CPU	Intel® 13th Gen Raptor Lake–P i5–1335UE/i5–1335U SoC Processor
Memory Type	262-pin DDR5 5200MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	64GB
Chipset	Integrated in SoC
Integrated Graphics	Intel® Iris® Xe Graphics
Watchdog Timer	256 segments (10sec ~ 255min)
Video	2 x HDMI 2.0b, 2 x DisplayPort 1.4a Type-C, 1x LVDS/eDP
LAN Ports	1x Intel i225-LM 2.5GbE, 1x Intel i225-V 2.5GbE
Serial ATA(SATA)	1x SATA III

TPM	Optional Onboard TPM 2.0
Extended Interface	1x M.2 M-key2242/2280 PCIe x4 Gen4 NVMe, 1x M.2 M-Key2242 SATA, M.2 E-Key2230 support CNVi for WiFi, 1x M.2 B-key3042/3052 for 4G/5G module, 1x PCIe x1Gen3, 1x SIM Slot
Rear I/O	2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2 Type-C (support DP ALT mode and PD 5V/3A), 4 x USB 2.0, 2 x HDMI, 2 x LAN, 1x Line-Out/Mic-In, 1x 12~24V DC Input Jack
Internal I/O	3 x USB 2.0, 2 x RS-232/422/485, 4 x RS-232, 1x LVDS/eDP, 1x Audio, 1x PS/2, 1x GPIO, 1x SMBUS
Audio	Realtek ALC888S HD Audio
Power Requirement	12~24V DC Input Jack or 4-pin ATX DC Input
Dimensions	6.69" x 6.69" (170mm x 170mm)
Operating Temperature	0~60°C (32~140°F)
Storage Temperature	-20~85°C (-4~185°F)
Relative Humidity	10~90% @ 40°C (non-condensing)
OS Software Supported	Windows 1064-bit, Windows 1164-bit, Linux
Global P/N / SKU	2809177

Ordering Options

MI24-133E0 (SKU# 2809177A): Thin Mini-ITX Motherboard with Intel® i5-1335U Processor MI24-133E2

(SKU# 2809177B): Thin Mini-ITX Motherboard with Intel® i5-1335U Processor and Onboard TPM 2.0

MI24-13350 (SKU# 2809177C): Thin Mini-ITX Motherboard with Intel® i5-1335U Processor MI24-13352

(SKU# 2809177D): Thin Mini-ITX Motherboard with Intel® i5-1335U Processor and Onboard TPM 2.0