

1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG

SL-1U-AH810M-IR2



Type:

- 1U Rack Mount Server
- Depth: 15.48"

Motherboard:

- Featuring Intel H810 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- LAN: 1x Ports (1GbE (10/100/1000))
- **WiFi:** Wi-Fi 6 + BT 5.2
- Video: 1x DisplayPort + HDMI
 Audio: Realtek Audio CODEC
- Ports:

6x USB 2.0 Ports (4 Rear, 2 Internal Headers)

2x USB 3.2 Gen 1 Ports (2 Front)

2x USB 3.2 Gen 2 Ports (2 Rear)

1x USB 3.2 Gen 2 Type-C Port (1 Internal Headers)

1x COM Port (RS232 Internal Headers) See specifications for more ports

• Operating Temperature: 10°C to 35°C (50°F to 95°F)

Configuration summary:

- Processor: Intel Core™ Ultra 5 Processor
 225 Processor 10 Cores (6P + 4E), 20MB
 Intel Smart Cache, 121W (PL2)
- Memory: 8GB DDR5 4800MHz RAM Non-ECC Unbuffered DIMM
- Hard Drive: 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- Power Supply: 315W
- Operating System: Not Included -
- Warranty: One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

Motherboard Type: MicroATX

Supported CPU

• Number of Processors: 1

 Processor Type: Intel Core™ Ultra Processors (Series 2), LGA1851

Chipset

• Chipset: Intel H810 Chipset

Memory

• Memory Type: DDR5 4800MHz

• Memory Type: Non-ECC

• DIMMS: 2

• Maximum Memory: 128GB

On Board Audio

• Audio Type: Realtek Audio CODEC

On Board Video

 Video Chipset: Supported by CPU - depends on CPU selected

Video on IO: 1x DisplayPort + HDMI

• Display Port Out: 1

• HDMI Out: 1

LAN

• LAN Ports: 1

LAN Type: 1GbE (10/100/1000)
LAN Chipset: Intel GbE LAN chip
Wireless LAN: Wi-Fi 6 + BT 5.2

Drive Interface

• SATA III Ports (6GB): 4

M.2 Slot Specs

• Total M.2 NVMe SSD Slots: 2

M.2 Slot #1 Specs

• 2280 - 22 mm x 80 mm.

• M.2 Slot #2 Specs

• 2242 - 22 mm x 42 mm.

• 2260 - 22 mm x 60 mm.

• 2280 - 22 mm x 80 mm.

Rear IO

PS/2 Combo (Mouse/Keyboard)

Chassis Specifications:

General

• Form Factor: 1U Rackmount

Color: Black & SilverMaterial: SGCC

• Material Thickness: 1mm

• Motherboard Compatibility: ATX

• Slide Rails: Optional

Expansion

Full Height Slots: 1Internal 3.5" Bays: 12.5" Hot Swap Bays: 2

Front Ports

• USB 3.2 Ports (Front): 2

Cooling System

• Maximum Fan Count: 3

• Included Fans: 2

Physical

• Depth: 15.48"

• Depth (Inches): 15.48

Width: 16.93"Height: 1.71"

Shipping Box - Depth: 592mm
Shipping Box - Width: 518mm
Shipping Box - Height: 155mm

• Shipping Weight: 12lbs

Other Features

• Features:

Full height PCIe slot x 1 (via riser card and bracket)

 \bullet External: slim ODD x 1, hot-swap 2.5" x 2

• Internal: 3.5" HDD x 1

• Chassis Warranty: 1 Year

Power

• Built-in Chassis Power Supply: 315W

• Remote Server Management:

- USB 2.0 Ports (on IO): 4
- USB 3.2 Gen 2 Type A Ports (on IO): 2
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Serial (via Headers): 1
- FAN Connectors: 3
- Audio on Headers
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- High Humidity: 95%
- Low Humidity: 5%

Operating System Support

- Windows 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End

Compliance of Component

- CE
- RoHS
- FCC

Other Features

• Features:

Expansion Slots

Intel Core™ Ultra Processors (Series 2)

1 x PCle 4.0 x16 slot

Intel H810 Chipset

1 x PCle 4.0 x1 slot

Storage

Total supports 2 x M.2 slots and 4 x SATA 6Gb/s

ports

Intel H810 Chipset

M.2_1 slot (Key M), type 2280 (supports PCle 4.0

x4 mode)

M.2 2 slot (Key M), type 2242/2260/2280

(supports PCIe 4.0 x2 mode)

4 x SATA 6Gb/s ports

* Access to PCI Express slot requires expansion slot and a riser in some chassis models. Please check Chassis Specification section for more information.

If you have any questions, please discuss with our Sales Engineers

• Motherboard Warranty: 1 Year



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