1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-1U-AH810M-IR1

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:** 10ºC to 35ºC (50ºF to 95ºF)

Configuration summary:

- **Processor:** Intel Core Ultra 5 225 Processor - 10 Cores (6P + 4E), 20MB Cache, 121W (PL2)
- **Memory:** 16GB DDR5 5600MHz RAM Non-ECC Unbuffered DIMM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 450W 80+ Platinum Flex Power Supply
- **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 and IPMI: 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 & Silver
- Material: SGCC
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

Expansion

- Full Height Slots: 1
- Internal 3.5" Bays: 1
- Internal 2.5" Bays: 1

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: 11lbs

Other Features

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

  • 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: 450W 80+ Platinum Flex Power Supply
- 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: 10ºC to 35ºC (50ºF to 95ºF)
- 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 PCIe 4.0 x16 slot
  Intel H810 Chipset
  1 x PCIe 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 PCIe 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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