

## 2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-2U-AQ870M-SG



### Type:

- 2U Rack Mount Industrial PC
- Depth: 13.13"

### Motherboard:

- Featuring Intel Q870 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- **Long Production Cycle Motherboard (Through Q1 2028)**
- **Low Profile Slots:**
  - 2 - PCIe x16
  - 1 - PCIe x1
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **RAID:** 0,1,5,10 and NVMe 0,1
- **Video:** 2x DisplayPort, 1x HDMI
- **Audio:** 7.1 HD Audio
- **Ports:**
  - 6x USB 2.0 Ports ( 2 Rear, 4 Internal Headers )
  - 3x USB 3.2 Gen 1 Ports ( 2 Front, 1 Rear )
  - 2x USB 3.2 Gen 2 Ports ( 2 Rear )
  - 2x USB 3.2 Gen 2 Type-C Ports ( 1 Rear, 1 Internal Headers )
  - 2x COM Ports (RS232 Internal Headers)
  - 1x Parallel Port (Headers)
- **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:** 16GB DDR5 5600MHz RAM Non-ECC Unbuffered DIMM

- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: MicroATX
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2028

### Supported CPU

- Number of Processors: 1
- Processor Type: Intel Core™ Ultra Processors (Series 2), LGA1851

### Chipset

- Chipset: Intel Q870 Chipset

### Memory

- Memory Type: DDR5 4800MHz
- Memory Type: Non-ECC
- DIMMS: 4
- Maximum Memory: 256GB

### On Board Audio

- Audio Type: 7.1 HD Audio

### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 2x DisplayPort, 1x HDMI
- Display Port Out: 2
- HDMI Out: 1

### LAN

- LAN Ports: 1
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Intel i219-LM
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA III Ports (6GB): 4
- RAID
- RAID Type: Software RAID

## Chassis Specifications:

### General

- Form Factor: 2U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

### Expansion

- Low Profile Slots: 7
- Internal 3.5" Bays: 2
- Internal 2.5" Bays: 4

### Front Ports

- USB 3.2 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 3

### Physical

- Depth: 13.13"
- Width: 17"
- Height: 3.50"
- Shipping Box - Depth: 20"
- Shipping Box - Width: 17"
- Shipping Box - Height: 9"
- Shipping Weight: 12lbs

### Other Features

- Chassis Warranty: 1 Year

### Power

- Remote Server Management:

- RAID Levels Supported on Motherboard: 0, 1, 5, 10

#### **Expansion Slots**

- PCI Express x16 Slots On Motherboard: 2
- PCI Express x1 Slots On Motherboard: 1

#### **M.2 Slot Specs**

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
  - 2242 - 22 mm x 42 mm.
  - 2260 - 22 mm x 60 mm.
  - 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 Mouse on IO
- PS/2 Keyboard on IO
- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 1
- USB 3.2 Gen 2 Type A Ports (on IO): 2
- USB 3.2 Gen 2 Type C Ports (on I/O): 1
- Audio on IO

#### **Headers**

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Serial (via Headers): 2
- Parallel Ports: 1
- FAN Connectors: 3
- Audio on Headers
- Chassis Intrusion

#### **Environmental**

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

#### **Operating System Support**

- SL-Windows 11PRO to 10PRO 64bit
- 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
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

### **Compliance of Component**

- RoHS
- FCC

### **Other Features**

- Features:

Expansion Slots

Intel Core™ Ultra Processors(series 2)\*

1 x PCIe 5.0 x16 slot

Intel Q870 Chipset\*\*

1 x PCIe 4.0 x16 slot (supports x4 mode)

1 x PCIe 4.0 x1 slot

Storage

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

Intel Core™ Ultra Processors(series 2) \*

M.2\_1 slot (Key M), type 2242/2260/2280

(supports PCIe 5.0 x4 mode)

Intel Q870 Chipset

M.2\_2 slot (Key M), type 2242/2260/2280

(supports PCIe 4.0 x4 modes)

4 x SATA 6Gb/s ports

\* Intel Rapid Storage Technology supports NVMe RAID 0/1/5, SATA RAID 0/1/5/10.

- Motherboard Warranty: 1 Year



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