

## 4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-4U-LLQ870A-WBD



### Type:

- 4U Rack Mount Industrial PC
- Depth: 17.50", Max Card Depth: 12.28 inches", Locking Front Bezel

### Motherboard:

- Featuring Intel Q870 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- **Full Height Slots:**
  - 2 - PCIe x16
  - 4 - PCIe x4
  - 1 - PCI
- **LAN:** 3x Ports (2.5GbE + 2.5GbE + 1GbE)
- **RAID:** 0,1,5,10 and NVMe 0,1
- **Video:** 2x DisplayPort, 1x HDMI
- **Audio:** Realtek ALC897
- **Ports:**
  - 2x USB 2.0 Ports ( 2 Internal Headers )
  - 4x USB 3.2 Gen 1 Ports ( 2 Front, 2 Internal Headers )
  - 6x USB 3.2 Gen 2 Ports ( 6 Rear )
  - 6x COM Ports (1 RS232 Rear, 4 RS232 Internal Headers, 1 RS232/422/485 Internal Headers)
  - 1x Parallel Port (Headers)
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

### Configuration summary:

- **Processor:** Intel Core™ Ultra 5 Processor 225 Processor - 10 Cores (6P + 4E), 20MB Intel Smart Cache, 121W (PL2)
- **Memory:** 16GB DDR5 4800MHz RAM Non-ECC Unbuffered DIMM

- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 550W Fully Modular ATX Power Supply - 80+ Bronze
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: ATX
- Long Production Cycle

### 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: 192GB

### On Board Audio

- Audio Type: Realtek ALC897

### 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: 3
- LAN Type: 2.5GbE + 2.5GbE + 1GbE
- LAN Chipset: Intel 2.5Gb Ethernet
- Second LAN Chipset: Intel 2.5Gb Ethernet
- Third LAN Chipset: Intel i210AT
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA III Ports (6GB): 4

## Chassis Specifications:

### General

- Form Factor: 4U Rackmount
- Front Changeable Air Filter
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1.20mm
- Motherboard Compatibility: ATX
- Redundant Power Supply Capable
- Slide Rails: Optional

### Expansion

- Full Height Slots: 7
- Max Card Depth: 12.28 inches"
- External 5.25" Bays: 3
- Internal 3.5" Bays: 4
- External 3.5" Bays: 2
- Serial Port Punchouts: 2

### Front Ports

- USB 3.2 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 3
- Included Fans: 1

### Physical

- Depth: 17.50"
- Depth (Inches): 17.5
- Width: 16.90"
- Height: 7"
- Shipping Box - Depth: 23"
- Shipping Box - Width: 22"
- Shipping Box - Height: 12"
- Shipping Weight: 28lbs

### Compliance of Component

- RoHS

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

#### **Expansion Slots**

- PCI Express x16 Slots On Motherboard: 2
- PCI Express x4 Slots On Motherboard: 4
- PCI Slots (Conventional 32-Bit): 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
  - 2280 - 22 mm x 80 mm.
- M.2 E-Key Slot
  - 2230 - 22 mm x 30 mm.

#### **Rear IO**

- USB 3.2 Gen 2 Type A Ports (on IO): 6
- USB 3.2 Gen 2x2 Type C Ports (on I/O): 1
- Serial (Rear IO): 1
- Audio on IO

#### **Headers**

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 4
- USB 2.0 Ports (Type A): 1
- Serial (via Headers): 4
- Serial 232/422/485 Ports: 1
- Parallel Ports: 1
- FAN Connectors: 4
- Audio on Headers
- PS/2 Combo (Mouse/Keyboard) on Headers
- Chassis Intrusion
- TPM Support: Via 2.0 Header

#### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 95%
- Low Humidity: 10%

#### **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
- RED HAT Enterprise LINUX WORKSTATION

#### **Other Features**

- Chassis Warranty: 1 Year

#### **Power**

- Remote Server Management:

#### STANDARD

- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

#### Compliance of Component

- CE
- FCC

#### Other Features

- Features:

Expansion slots

1x PCI Express 5.0 x16 slot (1 x16 mode / 2 x8 modes)

1x PCI Express 4.0 x4 slot (x2 mode, open slot)

1x PCI Express 4.0 x4 slot (x4 mode, open slot)

1x PCI Express 5.0 x16 slot (x8 mode)

1x PCI Express 4.0 x4 slot (x2 mode, open slot)

1x PCI Express 4.0 x4 slot (x4 mode, open slot)

1x PCI slot

M.2 Slots

1x M.2 socket 1 (Key E, 2230) for WiFi/BT devices  
Supporting Intel CNVi

1x M.2 socket 3 (Key M, 2242/2260/2280) with  
PCIe 5.0 x4 mode supporting NVMe

1x M.2 socket 3 (Key M, 2280) with PCIe 4.0 x4  
mode supporting NVMe

- Motherboard Warranty: 1 Year



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