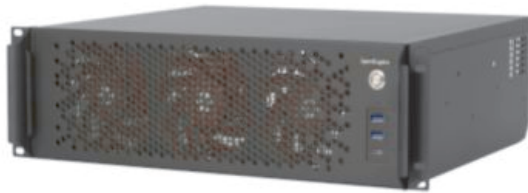


3U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-3U-LLQ870A-SGX



Type:

- 3U Rack Mount Industrial PC
- Depth: 15", Max Card Depth: 324mm"

Motherboard:

- Featuring Intel Q870 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- **Long Production Cycle Motherboard (Through Q3 2030)**
- **Full Height Slots:**
 - 1 - PCIe x16
- **LAN:** 3x Ports (2.5GbE + 2.5GbE + 1GbE)
- **RAID:** 0,1 NVMe Only
- **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)

See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

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:** 700W SFX Form Factor Auto-Switching Power Supply, Fully Modular, 80+ Platinum
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: ATX
- Long Production Cycle
- Long Life: YES
- EOL Date: Q3 2030

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 and IPMI: 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

Chassis Specifications:

General

- Form Factor: 3U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: E-ATX
- Slide Rails: Optional

Expansion

- Full Height Slots: 3
- Max Card Depth: 324mm"
- Internal 2.5" Bays: 1

Front Ports

- USB 3.2 Ports (Front): 2
- USB Type-C (Front): 1

Cooling System

- Maximum Fan Count: 3

Physical

- Depth: 15"
- Width: 17"
- Height: 5.22"
- Shipping Box - Depth: 21"
- Shipping Box - Width: 19"
- Shipping Box - Height: 12"
- Shipping Weight: 18lbs

Other Features

- Features:
Three (3) Full height PCIe card slot cutouts
As of 03/22/2025 this chassis does not have the single vertical PCIE slot.

3x Full Height Horizontal PCIe slots with one PCIe 5.0 16x riser for large 3-slot GPU

Drive Interface

- SATA III Ports (6GB): 4
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

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 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 SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD

Maximum card width: 72mm or 3.5-slot

Maximum card height: 150mm (including power connectors)

Maximum card length with 3x 25mm thick front fans: 324mm

Maximum card length with Asetek 360mm AIO and 3x 25mm thick front fans: 296mm

Total Internal Depth: 349mm

Thickness of radiator + thickness of case fans + GPU length must equal less than 349mm total.

Case includes a rear support bridge to prevent GPU sag and reduce chances of shipping damage

- Chassis Warranty: 1 Year

Power

- Remote Server Management:

- 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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