

5U Rack Mount Workstation Rackmount

Configuration Number: BASE CONFIG
SL-5U-LLQ870A-SA



(Not all images available on web site)

Type:

- 5U Rack Mount Workstation
- Depth: 20.87", Max Card Depth: Length: 455mm (without installing front fans and radiators)"

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 0,1,5
- **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

Chassis Specifications:

General

- Form Factor: 5U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: SSI EEB
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion

- Full Height Slots: 8
- Max Card Depth: Length: 455mm (without installing front fans and radiators)"
- Internal 3.5" Bays: 4
- Internal 2.5" Bays: 4

Front Ports

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

Cooling System

- Maximum Fan Count: 6
- Included Fans: 3

Physical

- Depth: 20.87"
- Width: 17.30"
- Height: 8.66"
- Shipping Weight: 71lbs

Other Features

- Features:
 - Expansion card
 - Length: 455mm (without installing front fans and radiators)
 - Width w/ expansion card

- SATA III Ports (6GB): 4
- 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

retainer: 157mm
Width w/o expansion
card retainer: 198mm
Limitation of Height w/
CPU cooler expansion
card
retainer:
181mm
Height w/o
expansion
card
retainer:
192mm
Limita 160m
tion m~19
of 0mm
PSU (Rem
oval
of
3.5"
drive
cage
elimin
ates
PSU
depth
limita
tion)
Dime
nsion
Incl.
rear
fan
cage:
440m
m
(W) x
220m
m (H)
x
530m
m
(D),
51.3
liters
Excl.
rear
fan
cage:
440m

• RED HAT Enterprise LINUX WORKSTATION STANDARD	m (W) x
• RED HAT Enterprise LINUX SERVER BASIC	220m
• RED HAT Enterprise LINUX SERVER STANDARD	m (H)
• LINUX Ubuntu Desktop	x
• Ubuntu Server Edition	485m
Compliance of Component	m
• CE	(D),
• FCC	46.95
Other Features	liters
• Features:	Incl.
Expansion slots	rear
1x PCI Express 5.0 x16 slot (1 x16 mode / 2 x8 modes)	fan
1x PCI Express 4.0 x4 slot (x2 mode, open slot)	cage:
1x PCI Express 4.0 x4 slot (x4 mode, open slot)	17.3"
1x PCI Express 5.0 x16 slot (x8 mode)	(W),
1x PCI Express 4.0 x4 slot (x2 mode, open slot)	8.66"
1x PCI Express 4.0 x4 slot (x4 mode, open slot)	(H),
1x PCI slot	20.87
M.2 Slots	" (D)
1x M.2 socket 1 (Key E, 2230) for WiFi/BT devices	Excl.
Supporting Intel CNVi	rear
1x M.2 socket 3 (Key M, 2242/2260/2280) with PCIe 5.0 x4 mode supporting NVMe	fan
1x M.2 socket 3 (Key M, 2280) with PCIe 4.0 x4 mode supporting NVMe	cage:
• Motherboard Warranty: 1 Year	17.3"
• Chassis Warranty: 1 Year	(W),
	8.66"
	(H),
	19.1"
	(D)



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