

5U Rack Mount Workstation Rackmount

Configuration Number: BASE CONFIG
SL-5U-W790SRA-ST



Type:

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

Motherboard:

- Featuring Intel W790 Chipset and Intel Xeon W-3400 Series, LGA4677 processor
- **Full Height Slots:**
 - 3 - PCIe x16
 - 1 - PCIe x4
- **LAN:** 2x Ports (1GbE + 10GbE)
- **RAID:** 0,1,5,10 and NVMe 0,1 RAID Intel VROC
- **Video:** 1x VGA
- **Audio:** Realtek ALC888S HD Audio
- **Ports:**
 - 2x USB 2.0 Ports (2 Internal Headers)
 - 2x USB 3.2 Gen 1 Ports (2 Front)
 - 4x USB 3.2 Gen 2 Ports (4 Rear)
 - 1x USB 3.2 Gen 2 Type-C Port (1 Internal Headers)
 - 1x COM Port (RS232 Rear)

See specifications for more ports
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)

Configuration summary:

- **Processor:** Intel Xeon W3-2425 W-2400 Series CPU (6 Core) - 3.0 GHz (Up to 4.4GHz) - 15MB Cache (156W)
- **Memory:** 4 x 16GB DDR5 5600MHz ECC Registered RAM
- **Hard Drive:** 1TB PCIe 4.0 NVMe SSD M.2 7,450/6,900MB/s - Samsung 990 PRO

- **Power Supply:** 850W ATX12V / EPS12V Full Modular Power Supply - 80+ Gold Certified
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: SSI CEB

Supported CPU

- Number of Processors: 1
- Processor Type: Intel Xeon W-3400 Series, LGA4677

Chipset

- Chipset: Intel W790 Chipset

Memory

- Memory Type: DDR5 4800MHz ECCR
- Memory Type: ECC Unbuffered
- DIMMS: 8
- Maximum Memory: 1500GB

On Board Audio

- Audio Type: Realtek ALC888S HD Audio

On Board Video

- Video Chipset: ASPEED AST2600 BMC
- Video on IO: 1x VGA
- VGA Port Out: 1

LAN

- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 10GbE
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Marvell AQC113 10Gbe
- Wireless LAN: No Integrated WLAN

Drive Interface

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

Expansion Slots

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 retainer: 157mm
 - Width w/o expansion

- PCI Express x16 Slots On Motherboard: 3
- PCI Express x4 Slots On Motherboard: 1

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
 - PCIe Signal
 - 22110 - 22 mm x 110 mm.
 - 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
 - PCIe Signal
 - 2280 - 22 mm x 80 mm.
 - 22110 - 22 mm x 110 mm.

Rear IO

- USB 3.2 Gen 2 Type A Ports (on IO): 4
- USB 3.2 Gen 2x2 Type C Ports (on I/O): 1
- Serial (Rear IO): 1
- SPDIF Connector: 1
- 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
- FAN Connectors: 5
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Management Features

- Watch Dog

Environmental

- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- High Humidity: 85%
- Low Humidity: 10%

Operating System Support

- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT 2021 LTSC High End
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- 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
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

card retainer: 198mm

Limitation of Height w/ CPU cooler expansion card retainer: 181mm

Height w/o expansion card retainer: 192mm

Limitation of removal of PSU (Removal of 3.5" drive cage eliminates PSU depth limitation) Dimension of rear fan cage: 440mm (W) x 220mm (H) x 530mm (D), 51.3 liters Excl. rear fan cage: 440mm (W) x

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Other Features:

PCIe

1 PCIe 4.0 x4,
3 PCIe 5.0 x16

M.2

M.2 Interface: 2 PCIe 5.0 x4, RAID 0 & 1

Form Factor: 22110, 2280

Key: M-Key

* 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

- Chassis Warranty: 1 Year

220m
m (H)
x
485m
m
(D),
46.95
liters
Incl.
rear
fan
cage:
17.3"
(W),
8.66"
(H),
20.87
" (D)
Excl.
rear
fan
cage:
17.3"
(W),
8.66"
(H),
19.1"
(D)



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