2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-W790SRA-DN

Type:

- 2U Rack Mount Industrial PC
- Depth: 17.72"

Motherboard:

- Featuring Intel W790 Chipset and Intel Xeon W-3400 Series, LGA4677 processor
- **Low Profile Slots:**
  3 - PCIe x16
  1 - PCIe x4
- **LAN:** 2x Ports (1GbE + 10GbE)
- **RAID:** 0,1,5,10 and NVMe 0,1
- **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:** 0ºC to 50ºC (32ºF to 122ºF)

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:** 800W 1+1 redundant PSU 80+ Platinum
- **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
- PCI Express x16 Slots On Motherboard: 3
- PCI Express x4 Slots On Motherboard: 1

M.2 Slot Specs

Chassis Specifications:

General
- Form Factor: 2U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: E-ATX
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion
- Low Profile Slots: 7
- 2.5" Hot Swap Bays: 4

Front Ports
- USB 3.2 Ports (Front): 2

Cooling System
- Maximum Fan Count: 4
- Included Fans: 4

Physical
- Depth: 450mm
- Depth (Inches): 17.7
- Width: 438mm
- Height: 88mm
- Shipping Box - Depth: 580mm
- Shipping Box - Width: 655mm
- Shipping Box - Height: 244mm
- Shipping Weight: 29lbs

Power
- Built-in Chassis Power Supply: 800W 1+1 redundant PSU 80+ Platinum
- Remote Server Management:

- 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: 0ºC to 50ºC (32ºF to 122ºF)
- 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

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