3U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-3U-W890SAGE-SE





Type:

- 3U Rack Mount Server
- Depth: 16.89", Max Card Depth: 375mm"

Motherboard:

- Featuring Intel W890 Chipset and Intel Socket LGA4710-2 for Xeon 600 Processors for Workstation processor
- **Full Height Slots:**
  5 - PCIe x16
- **LAN:** 2x Ports (2.5GbE + 10GbE)
- **RAID:** 0,1 and NVMe 0,1,5,10 RAID Intel VROC Xeon 6
- **Video:** N/A
- **Audio:** Realtek ALC1220P Surround Sound High Definition Audio CODEC
- **Ports:**
  6x USB 2.0 Ports (2 Rear, 4 Internal Headers)
  2x USB 3.2 Gen 1 Ports (2 Front)
  6x USB 3.2 Gen 2 Ports (6 Rear)
  1x USB 3.2 Gen 2 Type-C Port (1 Internal Headers)
  2x USB 4 Type-C Ports (2 Rear)
  1x COM Port (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 10ºC to 35ºC (50ºF to 95ºF)

Configuration summary:

- **Processor:** Intel Xeon 6 634 Processor, 2.7GHz (up to 4.6GHz), 12 Cores, 48MB L3 Cache, TDP 150W
- **Memory:** 2 x 16GB DDR5 5600MHz ECC Registered RAM
- **Hard Drive:** 1TB PCIe 4.0 NVMe SSD M.2

Read/write speeds up to 7100MB/s / 6700MB/s
- **Add-In Graphic Card:** Removes Default Graphics card - System will ship without a graphics output. A graphics adapter must be added for video output.
- **Power Supply:** 1200W SFX-L Form Factor Auto-Switching Power Supply, Fully Modular, 80 Plus Platinum Certified Supports 12VHPWR GEN 5
- **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 Socket LGA4710-2 for Xeon 600 Processors for Workstation

Chipset
- Chipset: Intel W890 Chipset

Memory
- Memory Type: DDR5 4800MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 8

On Board Audio
- Audio Type: Realtek ALC1220P Surround Sound High Definition Audio CODEC

On Board Video
- Video Chipset: None
- Video on IO: N/A

LAN
- LAN Ports: 2
- LAN Type and IPMI: 2.5GbE + 10GbE
- LAN Chipset: Intel 2.5Gb Ethernet
- Second LAN Chipset: Realtek 10Gb Ethernet
- Wireless LAN: No Integrated WLAN

Drive Interface

Chassis Specifications:

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

Expansion
- Full Height Slots: 8
- Max Card Depth: 375mm"
- 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: 16.89"
- Depth (Inches): 17
- Width: 17"
- Height: 5.22"
- Shipping Box - Depth: 21"
- Shipping Box - Width: 21"
- Shipping Box - Height: 10"
- Shipping Weight: 28lbs

Other Features

- 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: 5

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 4
- 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
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- M.2 Slot #3 Specs
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- M.2 Slot #4 Specs
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- M.2 E-Key Slot
- PCIe Signal
- 2230 - 22 mm x 30 mm.

Rear IO

- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 2 Type A Ports (on IO): 6
- USB 4.0 Type C Ports (on I/O): 2
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Serial (via Headers): 1
- FAN Connectors: 7
- Audio on Headers

Environmental

- Operating Temperature: 10ºC to 35ºC (50ºF to 95ºF)

Operating System Support

- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC High End

- Features:
    - Eight(8) full height PCIe card slot cutouts
    - Maximum card height: 115mm
    - Maximum card length with no fans / no AIO cooler: 400mm
    - Maximum card length with 3x Noctua A12x25 fans: 375mm
    - Maximum card length with Asetek 360mm AIO and Noctua A12x25 fans: 348mm
    - Maximum card length with Asetek 360mm AIO and Push/Pull Noctua A12x25 fans: 322mm
    - Case includes eight(8) non-vented PCIe slot filler blank brackets (Sliger Part Number: CXSC1020A)
- Chassis Warranty: 1 Year

- 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

- UL
- CE
- RoHS
- FCC

Other Features

- Features:
  Expansion Slots

  Intel Xeon 690/670/650/630 Series Processors*
  4 x PCIe 5.0 x16 slots (supports x16 mode)
  Intel W890 Chipset
  1 x PCIe 4.0 x16 slot (supports x4 mode)

  Storage

  Total supports 4 x M.2 slots, 2 x SlimSAS ports and 4 x SATA 6Gb/s ports
  Intel Xeon 690/670/650/630 Series Processors*
  M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
  M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
  M.2_3 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
  M.2_4 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
  Intel W890 Chipset
  SlimSAS_1 connector supports PCIe 4.0 x4 mode
  SlimSAS_2 connector supports PCIe 4.0 x4 mode or up to 4 SATA devices via an SFF-8654 adapter cable. The cable is purchased separately.
  4 x SATA 6Gb/s ports
  * Supports Intel Virtual RAID on CPU (Intel VROC) and Intel Volume Management Device (IntelVMD)
  ** Intel VROC Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10. VROC_HW_Key is purchased separately.

  Graphics

  2 x USB 40Gbps (USB4) ports support USB Type-C display outputs*
  * Supports max. 8K@60Hz as specified in

DisplayPort 1.4.
** Output at USB4 Type-C 40G USB 1 or USB4 Type-C 40G USB 2 ports, each requires a DisplayPort IN to DisplayPort adapter cable.

- Motherboard Warranty: 1 Year

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