

# 4U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG

SL-4U-W790ACE-ST







# Type:

- 4U Rack Mount Server
- Depth: 16.89", Max Card Depth: 375mm"

# Motherboard:

- Featuring Intel W790 Chipset and Intel Socket LGA4677 for Xeon W-3400 Series processor
- Full Height Slots:
  - 5 PCle x16
- **LAN:** 2x Ports (2.5GbE + 10GbE)
- RAID: 0,1,5,10 and NVMe 0,1 RAID Intel VROC
- Video: None
- Audio: 8-Channel High Definition Audio CODEC Realtek ALC S1220A
- Ports:
  - 12x USB 2.0 Ports ( 8 Rear, 4 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 Internal Headers) See specifications for more ports
- Operating Temperature: 0°C to 40°C (32°F to 104°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 4800MHz ECC Registered RAM
- Hard Drive: 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s

- Add-In Graphic Card: NVIDIA Quadro T400 4GB 64-bit GDDR5 PCIe 3.0 x16 Workstation Video Card - 3 x Mini DisplayPort 1.4 - No Win 7 Support!
- 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 Socket LGA4677 for Xeon W-3400 Series

#### Chipset

• Chipset: Intel W790 Chipset

# Memory

- Memory Type: DDR5 4800MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 8
- Maximum Memory: 2048GB

# **On Board Audio**

 Audio Type: 8-Channel High Definition Audio CODEC Realtek ALC S1220A

### On Board Video

- Video Chipset: NoneVideo on IO: None
  - LAN
- LAN Ports: 2
- LAN Type: 2.5GbE + 10GbE
- LAN Chipset: Intel 2.5Gb Ethernet
- Second LAN Chipset: Marvell AQtion 10Gb Ethernet
- Wireless LAN: No Integrated WLAN

## **Drive Interface**

• SATA III Ports (6GB): 4

# Chassis Specifications:

#### General

- Form Factor: 4U RackmountFront Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: SSI CEB
- Redundant Power Supply Capable
- Slide Rails: Optional

# **Expansion**

- Full Height Slots: 8
- Max Card Depth: 375mm"
- Internal 3.5" Bays: 3
- Internal 2.5" Bays: 8

# **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): Click Available Downloads Tab > Mechanical Drawings.
- Width: 17"
- Height: 6.96"
- Shipping Box Depth: 21"
- Shipping Box Width: 21"
- Shipping Box Height: 11"
- Shipping Weight: 30lbs

- RAID
- RAID Type: Hardware 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: 2
- M.2 Slot #1 Specs
- PCle Signal
- 2242 22 mm x 42 mm.
- 2260 22 mm x 60 mm.
- 2280 22 mm x 80 mm.
- 22110 22 mm x 110 mm.
- M.2 Slot #2 Specs
- PCIe Signal
- 2280 22 mm x 80 mm.

#### Rear IO

- USB 2.0 Ports (on IO): 8
- USB 3.2 Gen 2 Type A Ports (on IO): 4
- USB 3.2 Gen 2x2 Type C Ports (on I/O): 1
- SPDIF Connector: 1
- 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
- TPM Support: Via 2.0 Header

# **Environmental**

- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- High Humidity: 90%
- Low Humidity: 20%

## **Operating System Support**

- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC High End

## **Compliance of Component**

- RoHS
- FCC

#### Other Features

- Features:
  - 8x full height PCIe card slot cutouts
  - Maximum card height: 158mm (card and power connector must be ≤158mm tall)
  - Maximum card length: 375mm (with 25mm thick front fans)
  - •
  - LIQUID COOLING NOTE: radiators reduce the available depth inside the case for long GPUs
  - Inside of case is 399mm deep
  - Thickness of radiator + thickness of case fans + GPU length must equal less than 399mm total.
- Chassis Warranty: 1 Year

#### **Other Features**

#### • Features:

Intel Xeon™ W-3400 and W-2400
Series Processors
5 x PCle 5.0 x16 slot(s) (supports x16, x16, x16, x0/x8, x16/x8 modes)

Total supports 2 x M.2 slots, 4 x SATA 6Gb/s ports and 3 x SlimSAS ports\*
Intel W790 Chipset\*\*
M.2\_1 slot (Key M), type 2242/2260/2280/22110
(supports PCle 4.0 x4 mode)
M.2\_2 slot (Key M), type 2280 (supports PCle 4.0 x4 mode)
SlimSAS\_1 slot supports PCle 3.0 x4 mode NVMe

SlimSAS\_1 slot supports PCle 3.0 x4 mode NVMe device

SlimSAS\_2 slot supports PCle 4.0 x4 mode or up to 4 SATA devices via a transfer cable. The cable is perchased seperately.

SlimSAS\_3 slot supports PCle 4.0 x4 mode NVMe device

- 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.
- Motherboard Warranty: 1 Year



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