

4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-4U-X299WS-WAD



Type:

- 4U Rack Mount Industrial PC
- Depth: 21.50", Max Card Depth: Full Length", Locking Front Bezel

Motherboard:

- Featuring Intel X299 Chipset and Intel Core™ X-series Processors (FCLGA2066) processor
- **Full Height Slots:**
7 - PCIe x16
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** None
- **Audio:** 8-Channel High Definition Audio CODEC Realtek ALC S1220A
- **Ports:**
4x USB 2.0 Ports (4 Rear)
8x USB 3.2 Gen 1 Ports (2 Front, 6 Rear)
1x USB 3.2 Gen 2 Port (1 Rear)
2x USB 3.2 Gen 2 Type-C Ports (1 Rear, 1 Internal Headers)
1x COM Port (RS232 Internal Headers)
See specifications for more ports
- **Operating Temperature:** 10°C to 35°C (50°F to 95°F)

Configuration summary:

- **Processor:** i9-10900X - 3.7GHz (up to 4.5GHz) Intel Deca (10) Core CPU - 19.25MB Cache, No Onboard Graphics (165W)
- **Memory:** 4 x 8GB DDR4 3200MHz RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 600W Power Supply 80+

PLUS

- **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 Core™ X-series Processors (FCLGA2066)

Chipset

- Chipset: Intel X299 Chipset

Memory

- Memory Type: DDR4 2666MHz
- Memory Type: Non-ECC
- DIMMS: 8
- Maximum Memory: 128GB

On Board Audio

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

On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: None

LAN

- LAN Ports: 2
- LAN Type: 1GbE + 1GbE
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 8
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

- PCI Express x16 Slots On Motherboard: 7

Chassis Specifications:

General

- Form Factor: 4U Rackmount
- Front Changeable Air Filter
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1.20mm
- Motherboard Compatibility: SSI EEB
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion

- Full Height Slots: 7
- Max Card Depth: Full Length"
- External 5.25" Bays: 3
- Internal 3.5" Bays: 4
- External 3.5" Bays: 1
- Serial Port Punchouts: 2

Front Ports

- USB 3.2 Ports (Front): 2

Cooling System

- Maximum Fan Count: 3
- Included Fans: 1

Physical

- Depth: 21.50"
- Depth (Inches): 21.5
- Width: 16.90"
- Height: 7"
- Shipping Box - Depth: 26"
- Shipping Box - Width: 23"
- Shipping Box - Height: 12"
- Shipping Weight: 28lbs

Compliance of Component

- RoHS

Other Features

- Chassis Warranty: 1 Year

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
- PCIe Signal
- 22110 - 22 mm x 110 mm.
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
- PCIe Signal
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

- USB 2.0 Ports (on IO): 4
- USB 3.2 Gen 1 Type A Ports (on IO): 6
- USB 3.2 Gen 2 Type A Ports (on IO): 1
- USB 3.2 Gen 2 Type C Ports (on I/O): 1
- SPDIF Connector: 1
- Audio on IO

Headers

- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Thunderbolt 3 via Header: 1
- Serial (via Headers): 1
- FAN Connectors: 4
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- High Humidity: 90%
- Low Humidity: 20%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- RoHS
- FCC

Other Features

- Features:
7 x PCIe 3.0/2.0 x16 (single x16 or dual x16/x16
or triple x16/x16/x16 or quad x16/x16/x16/x16 or

seven x16/x8/x8/x8/x8/x8/x8)

PCIe speed may vary due to processor's limitation. Please check processor's specs for # of PCIe Lanes.

Supports NVIDIA® 4-Way SLI™ Technology

Supports AMD 4-Way CrossFireX Technology

- Motherboard Warranty: 1 Year



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