

## 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 PCle x16
- LAN: 2x Ports (1GbE + 1GbE)
- RAID: 0,1,5,10Video: 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: 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 550W Fully Modular ATX

Power Supply - 80+ Bronze

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 + 1GbELAN 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,

#### **Expansion Slots**

PCI Express x16 Slots On Motherboard: 7

## Chassis Specifications:

#### **General**

Form Factor: 4U RackmountFront Changeable Air Filter

Color: Black & SilverMaterial: 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 PCle 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 PCle Lanes.

Supports NVIDIA® 4-Way SLI™ Technology Supports AMD 4-Way CrossFireX Technology

• Motherboard Warranty: 1 Year



www.superlogics.com sales@superlogics.com
Phone: 1-508-650-9500 Fax: 1-508-650-9525