

## 4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-4U-TRX50-AERO-ST



(Not all images available on web site)

### Liquid Cooled Rack Mount

#### Type:

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

#### Motherboard:

- Featuring AMD TRX50 and AMD Socket sTR5 for Ryzen™ Threadripper™ PRO 7000 WX-Series processor
- **Full Height Slots:**  
3 - PCIe x16
- **LAN:** 2x Ports (2.5GbE + 10GbE )
- **WiFi:** Wi-Fi 7 + BT
- **RAID:** 0,1,10 and NVMe 0,1,10
- **Video:** None
- **Audio:** Realtek ALC4080 codec
- **Ports:**  
4x USB 2.0 Ports ( 4 Internal Headers )  
6x USB 3.2 Gen 1 Ports ( 2 Front, 4 Rear )  
4x USB 3.2 Gen 2 Ports ( 4 Rear )  
1x USB 3.2 Gen 2 Type-C Port ( 1 Internal Headers )  
2x USB 4 Type-C Ports ( 2 Rear )  
See specifications for more ports
- **Operating Temperature:** 10°C to 35°C (50°F to 95°F)

#### Configuration summary:

- **Processor:** i7-9800X - 3.8GHz (up to 4.4GHz) Intel Octa (8) Core CPU - 16.5MB Cache, No Onboard Graphics (165W)
- **Memory:** 2 x 16GB DDR5 6000MHz ECC RAM..
- **Hard Drive:** 1TB PCIe 4.0 NVMe SSD M.2 7,450/6,900MB/s - Samsung 990 PRO

- **Add-In Graphic Card:** NVIDIA RTX A400 4GB GDDR6, PCI Express 4.0 x16 - 4x Mini DisplayPort - Low Profile and Full Height Compatible
- **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: Extended ATX

### Supported CPU

- Number of Processors: 1
- Processor Type: AMD Socket sTR5 for Ryzen™ Threadripper™ PRO 7000 WX-Series

### Chipset

- Chipset: AMD TRX50

### Memory

- Memory Type: DDR5 4800MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 4
- Maximum Memory: 1024GB

### On Board Audio

- Audio Type: Realtek ALC4080 codec

### On Board Video

- Video Chipset: None
- Video on IO: None

### LAN

- LAN Ports: 2
- LAN Type: 2.5GbE + 10GbE
- LAN Chipset: Marvell AQtion 10Gb Ethernet
- Second LAN Chipset: Realtek 2.5GbE LAN
- Wireless LAN: Wi-Fi 7 + BT

### Drive Interface

- SATA III Ports (6GB): 8
- RAID
- RAID Type: Software RAID

## Chassis Specifications:

### General

- Form Factor: 4U Rackmount
- Front 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 Levels Supported on Motherboard: 0, 1, 10

#### **Expansion Slots**

- PCI Express x16 Slots On Motherboard: 3

#### **M.2 Slot Specs**

- Total M.2 NVMe SSD Slots: 4
- M.2 Slot #1 Specs
  - PCIe Signal
  - 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.
- M.2 Slot #3 Specs
  - PCIe Signal
  - 2280 - 22 mm x 80 mm.
  - 22110 - 22 mm x 110 mm.
- M.2 Slot #4 Specs
  - PCIe Signal
  - 2280 - 22 mm x 80 mm.

#### **Rear IO**

- USB 3.2 Gen 1 Type A Ports (on IO): 4
- USB 3.2 Gen 2 Type A Ports (on IO): 4
- 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
- FAN Connectors: 6
- Audio on Headers
- 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 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC High End

#### **Compliance of Component**

- CE
- RoHS
- FCC

#### **Other Features**

- Features:

#### **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

## Expansion Slots

### CPU:

- 2 x PCI Express x16 slots, supporting PCIe 5.0 and running at x16 (PCIEX16\_1/PCIEX16\_2)

\* For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16\_1 slot.

- 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16(PCIEX16\_3)

## Storage

### CPU:

- 1 x M.2 connector (Socket 3, M key, type 25110/2280 PCIe 5.0 x4/x2 SSD support) (M2C\_CPU)
- 2 x M.2 connectors (Socket 3, M key, type 22110/2280 PCIe 5.0 x4/x2 SSD support) (M2A\_CPU/M2B\_CPU)
- 1 x M.2 connector (Socket 3, M key, type 2280 PCIe 4.0 x4/x2 SSD support) (M2D\_CPU)

### CPU+Chipset:

- 8 x SATA 6Gb/s connectors

RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices

RAID 0, RAID 1, and RAID 10 support for SATA storage devices

\* 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



www.superlogics.com  
Phone: 1-508-650-9500

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