4U Rack Mount Industrial PC Rackmount

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









(full size 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:** 10ºC to 35ºC (50ºF to 95ºF)

Configuration summary:

- **Processor:** AMD Ryzen Threadripper 7960X 5.3GHz 24-Core sTR5 Processor (350W TDP)
- **Memory:** 2 x 16GB DDR5 6000MHz ECCR 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 and IPMI: 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: 10ºC to 35ºC (50ºF to 95ºF)
- 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)
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    - 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