2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-MCX-C621ADAI-DT

Front Facing I/O

Type:

- 2U Rack Mount Industrial PC
- Depth: 17.72"

Motherboard:

- Featuring Intel C621A Chipset and Intel Xeon Scalable Processors 3rd Gen processor
- **Low Profile Slots:**
  5 - PCIe x16
  1 - PCIe x8
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  6x USB 3.2 Gen 1 Ports (2 Front, 4 Rear)
  1x USB 3.2 Gen 2 Port (1 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:** 10ºC to 35ºC (50ºF to 95ºF)

Configuration summary:

- **Processor:** 2 x 3rd Gen Xeon Silver 4310 - 2.1GHz (up to 3.3GHz) Twelve Core Intel Processor - 18MB Cache (120W)
- **Memory:** 4 x 8GB DDR4 3200MHz ECC Registered RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 800W 1+1 redundant

PSU 80+ Platinum
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: Extended ATX

Supported CPU
- Number of Processors: 2
- Processor Type: Intel Xeon Scalable Processors 3rd Gen

Chipset
- Chipset: Intel C621A Chipset

Memory
- Memory Type: DDR4 2666MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 16
- Maximum Memory: 2048GB

On Board Audio
- Audio Type: No Onboard Audio

On Board Video
- Video Chipset: ASPEED AST2600 BMC
- Video on IO: 1x VGA
- VGA Port Out: 1

LAN
- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i210
- Second LAN Chipset: Intel i210
- 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: 5
- PCI Express x8 Slots On Motherboard: 1

Chassis Specifications:

General
- Form Factor: 2U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: E-ATX
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion
- Low Profile Slots: 7
- 2.5" Hot Swap Bays: 4

Front Ports
- USB 3.2 Ports (Front): 2

Cooling System
- Maximum Fan Count: 4
- Included Fans: 4

Physical
- Depth: 450mm
- Depth (Inches): 17.7
- Width: 438mm
- Height: 88mm
- Shipping Box - Depth: 580mm
- Shipping Box - Width: 655mm
- Shipping Box - Height: 244mm
- Shipping Weight: 29lbs

Power
- Built-in Chassis Power Supply: 800W 1+1 redundant PSU 80+ Platinum

M.2 Slot Specs

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

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 4
- USB 3.2 Gen 2 Type A Ports (on IO): 1

Headers

- 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: 8
- TPM Support: Via 2.0 Header

Management Features

- Watch Dog

Environmental

- Operating Temperature: 10ºC to 35ºC (50ºF to 95ºF)
- High Humidity: 90%
- Low Humidity: 8%

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
- Windows Server 2016 STD
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- Ubuntu Server Edition

Compliance of Component

- CE
- FCC

Other Features

- Features:
  PCI-E

1 PCI-E 4.0 x8,
5 PCI-E 4.0 x16

M.2
M.2 Interface: 2 PCI-E 4.0 x4, RAID 0 & 1
Form Factor: 2280/22110
Key: M-Key

- Motherboard Warranty: 1 Year

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