2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-MCX-C621A-HB1-DS

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
- **Long Production Cycle Motherboard (Through Q1 2025)**
- **Full Height Slots:**
  1 - PCIe x16
  1 - PCIe x8
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 0ºC (0ºF to 0ºF)

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
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2025

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: 128GB

On Board Audio
- Audio Type: No Onboard Audio

On Board Video
- Video Chipset: ASPEED AST2500 BMC
- Video on IO: 1x VGA
- VGA Port Out: 1

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

Drive Interface
- SATA III Ports (6GB): 14
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

M.2 Slot Specs

Chassis Specifications:

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

Expansion
- Full Height Slots: 2
- 2.5" Hot Swap Bays: 4

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

- 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
- 22110 - 22 mm x 110 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

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

Headers

- USB 3.2 Gen 1 Ports (on Headers): 2
- FAN Connectors: 7
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 0ºC to 0ºC (0ºF to 0ºF)

Operating System Support

- 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
- VMWare Compatible: Partially Supported

Compliance of Component

- CE
- FCC

Other Features

- Features:

Expansion Slots	Slot_6: 1 x PCIe x16 (Gen4 x16 bus) slot, from CPU_0 Slot_5: 1 x PCIe x16 (Gen4 x16 bus) slot, from CPU_1 Slot_4: 1 x PCIe x16 (Gen4 x16 bus) slot, from CPU_1 Slot_3: 1 x PCIe x16 (Gen4 x16 bus) slot, from CPU_0 Slot_2: 1 x PCIe x16 (Gen4 x16 bus) slot, from CPU_0 Slot_1: 1 x PCIe x16

(Gen4 x16 bus) slot,
from CPU_1

2 x M.2 slots:
- M-key
- PCIe Gen4 x4 per slot
- Supports
NGFF-22110/2280 cards
- From CPU
* 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