

## 2U Rack Mount Industrial PC Rackmount

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



### 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 Front, 2 Rear )
  - See specifications for more ports
- **Operating Temperature:** 0°C to 0°C (0°F to 0°F)

### 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: 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

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
- PCIe Signal

## 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

- Full Height Slots: 2
- 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

- 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: 0°C to 0°C (0°F to 0°F )

#### **Operating System Support**

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



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