

# 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 PCle x16
  - 1 PCle x8
- LAN: 2x Ports (1GbE + 1GbE)
- RAID: 0,1,5,10Video: 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: 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 VGAVGA Port Out: 1

#### LAN

• LAN Ports: 2

LAN Type: 1GbE + 1GbELAN 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/OColor: Black

Material: Metal/SteelMaterial Thickness: 1mm

Motherboard Compatibility: E-ATXRedundant Power Supply Capable

• Slide Rails: Optional

#### **Expansion**

Full Height Slots: 22.5" Hot Swap Bays: 4

### **Cooling System**

• Maximum Fan Count: 4

• Included Fans: 4

# **Physical**

• Depth: 450mm

• Depth (Inches): 17.7

Width: 438mmHeight: 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
- PCle 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**

 $\bullet$  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 PCle x16

(Gen4 x16 bus) slot,

from CPU\_0

Slot\_5: 1 x PCle x16 (Gen4 x16 bus) slot,

from CPU\_1

Slot\_4: 1 x PCle x16 (Gen4 x16 bus) slot,

from CPU\_1

Slot\_3: 1 x PCle x16 (Gen4 x16 bus) slot,

from CPU 0

Slot\_2: 1 x PCle x16 (Gen4 x16 bus) slot,

from CPU 0

Slot 1: 1 x PCle 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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