

# 4U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG  
SL-4U-MCX-C621DAI-WAD



## Intel Xeon Scalable Platform

### Type:

- 4U Rack Mount Server
- Depth: 21.50", Max Card Depth: Full Length", Locking Front Bezel

### Motherboard:

- Featuring Intel C621 Chipset and Intel Xeon Scalable Processors processor
- **Long Production Cycle Motherboard (Through Q3 2024)**
- **Full Height Slots:**
  - 4 - PCIe x16
  - 2 - PCIe x8
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** VGA
- **Audio:** 7.1 HD 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 Rear )
  - 1x COM Port (RS232 Internal Headers)
  - See specifications for more ports
- **Operating Temperature:** 10°C to 35°C (50°F to 95°F)

### Configuration summary:

- **Processor:** 2 x Xeon Bronze 3104 - 1.70GHz Six Core Intel Processor - 8.25MB Cache (85W)
- **Memory:** 2 x 8GB DDR4 2666MHz ECC Registered RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980

- **Power Supply:** 600W ATX12V (v2.2)  
8cm 80 Plus Bronze 80MM FAN
- **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: Q3 2024

### Supported CPU

- Number of Processors: 2
- Processor Type: Intel Xeon Scalable Processors

### Chipset

- Chipset: Intel C621 Chipset

### Memory

- Memory Type: DDR4 2400MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 16
- Maximum Memory: 1024GB

### On Board Audio

- Audio Type: 7.1 HD Audio

### On Board Video

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

### LAN

- LAN Ports: 2
- LAN Type: 1GbE + 1GbE
- LAN Chipset: Intel PCH C621
- Second LAN Chipset: Intel PCH C621
- Wireless LAN: No Integrated WLAN

### Drive Interface

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

## Chassis Specifications:

### General

- Form Factor: 4U Rackmount
- Front Changeable Air Filter
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1.20mm
- Motherboard Compatibility: SSI EEB
- Redundant Power Supply Capable
- Slide Rails: Optional

### Expansion

- Full Height Slots: 7
- Max Card Depth: Full Length"
- External 5.25" Bays: 3
- Internal 3.5" Bays: 4
- External 3.5" Bays: 1
- Serial Port Punchouts: 2

### Front Ports

- USB 3.2 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 3
- Included Fans: 1

### Physical

- Depth: 21.50"
- Depth (Inches): 21.5
- Width: 16.90"
- Height: 7"
- Shipping Box - Depth: 26"
- Shipping Box - Width: 23"
- Shipping Box - Height: 12"
- Shipping Weight: 28lbs

### Compliance of Component

- RoHS

### Other Features

- Chassis Warranty: 1 Year

### **Expansion Slots**

- PCI Express x16 Slots On Motherboard: 4
- PCI Express x8 Slots On Motherboard: 2

### **M.2 Slot Specs**

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- 22110 - 22 mm x 110 mm.
- 2260 - 22 mm x 60 mm.
- 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): 1
- USB 3.2 Gen 2 Type C Ports (on I/O): 1
- SPDIF Connector: 1
- Audio on IO

### **Headers**

- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 8
- DOM
- Chassis Intrusion
- TPM Support: Via 2.0 Header

### **Management Features**

- NMI
- Watch Dog

### **Environmental**

- Operating Temperature: 10°C to 35°C (50°F to 95°F )
- 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 10 IoT Ent
- Windows 10 IoT Ent 2019 LTSC
- Windows Server 2016 STD
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Workstation
- Ubuntu Server Edition
- VMWare Compatible

### **Compliance of Component**

- FCC

### **Other Features**

- Other Features:

- 4 PCI-E 3.0 x16,
- 2 PCI-E 3.0 x8

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers.)

- Interface: PCIe 3.0 x4
- Form Factor: M-Key 2260, 2280, 22110
- Motherboard Warranty: 1 Year



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