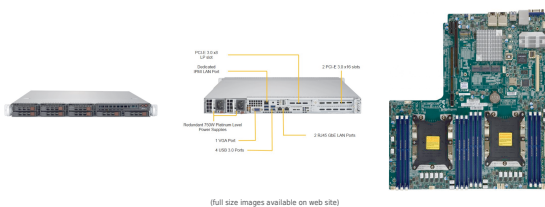


# 1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG  
SL-1U-MCX-C621DDW-LM



## Intel Xeon Scalable Platform

### Type:

- 1U Rack Mount Server
- Depth: 23.50", Max Card Depth: 6"

### Motherboard:

- Featuring Intel C621 Chipset and Intel Xeon Scalable Processors processor
- **Full Height Slots:**
  - 2 - PCIe x16
  - 1 - PCIe x8
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **RAID:** 0,1,5,10
- **Video:** VGA
- **Audio:** No Onboard Audio
- **Ports:**
  - 6x USB 3.2 Gen 1 Ports ( 4 Rear, 2 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:** Redundant 700/750W Single Output Power Supply Platinum level, 54.5mm width. 80+ Platinum Certified
- **Operating System:** Not Included -

- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: Proprietary

### 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: 12
- Maximum Memory: 64GB

### On Board Audio

- Audio Type: No Onboard Audio

### On Board Video

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

### LAN

- LAN Ports: 2
- LAN Type: 1GbE (10/100/1000)
- 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: 1
- M.2 Slot #1 Specs
- PCIe Signal
- 22110 - 22 mm x 110 mm.
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

## Chassis Specifications:

### General

- Form Factor: 1U Rackmount
- Color: Black & Silver
- Material: Steel & Plastic
- Material Thickness: 1mm
- Redundant Power Supply Capable
- Slide Rails: Optional

### Expansion

- Full Height Slots: 2
- Low Profile Slots: 1
- Max Card Depth: 6"
- 2.5" Hot Swap Bays: 8

### Cooling System

- Maximum Fan Count: 5
- Included Fans: 4

### Physical

- Depth: 23.50"
- Depth (Inches): 23.5
- Width: 17.20"
- Height: 1.70"
- Shipping Box - Depth: 33.70"
- Shipping Box - Width: 23.50"
- Shipping Box - Height: 8.50"
- Shipping Weight: 46lbs

### Power

- Built-in Chassis Power Supply: Redundant 700/750W Single Output Power Supply Platinum level, 54.5mm width. 80+ Platinum Certified

### Other Features

- Features:
  - SAS or enterprise SATA HDD only recommended
  - 8-port 1U SAS3 12Gbps Hybrid backplane, support up to 6x 2.5-inch SAS3/SATA3 HDD/SSD and 2x SAS3/SATA3/NVMe Storage Devices

### **Rear IO**

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

### **Headers**

- USB 3.2 Gen 1 Ports (on Headers): 2
- FAN Connectors: 5
- Chassis Intrusion

### **Management Features**

- Watch Dog
- TPM Support: Via 2.0 Header

### **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)
- Windows 10 IoT Ent
- Windows 10 IoT Ent 2019 LTSC
- SL-Windows 11PRO to 10PRO 64bit
- 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

### **Compliance of Component**

- CE
- RoHS
- FCC
- CCC

### **Warranty of Component**

- Motherboard Warranty: 1 Year

### **Other Features**

- Other Features:  
PCI-Express
  - 2 PCI-E 3.0 x16 (FHHL) slots
  - 1 PCI-E 3.0 x8 (LP) slot
  - 1 PCI-E 3.0 x16 for Add-on-Module (AOM)
  - 1 PCI-E M.2 SSD slot

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



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