

1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG

SL-1U-MCX-C621DDW-LL







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 PCle x16
 - 1 PCle 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: 600W High-Efficiency Power Supply w/PMBus 1.2, I2C, PFC, and Digital Switching. 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: 768GB

On Board Audio

• Audio Type: No Onboard Audio

On Board Video

• Video Chipset: ASPEED AST2500 BMC

Video on IO: VGAVGA Port Out: 1

LAN

• LAN Ports: 2

• LAN Type: 1GbE (10/100/1000)

• LAN Chipset: Intel X722

• Second LAN Chipset: Intel X722

• 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

• PCle 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 & SilverMaterial: Steel & PlasticMaterial Thickness: 1mm

• Slide Rails: Optional

Expansion

Full Height Slots: 1
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: 600W High-Efficiency Power Supply w/PMBus 1.2, I2C, PFC, and Digital Switching. 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 3.0 Ports (on IO): 4

Headers

- USB 3.0 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

- UL
- CE
- RoHS
- FCC
- CB
- 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



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