

2U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-2U-MCX-C621A-R282-TC



Type:

- 2U Rack Mount Server
- Depth: 28.90"

Motherboard:

- Featuring Intel C621A Chipset and Intel Xeon Scalable Processors 3rd Gen processor
- **Full Height Slots:**
 - 3 - PCIe x16
 - 5 - PCIe x8
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
 - 2x USB 3.2 Gen 1 Ports (2 Rear)
 - See specifications for more ports
- **Operating Temperature:** 10°C to 35°C (50°F to 95°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:** 1.0TB SATA 6Gb/s 7200RPM 128MB 3.5" - EXOS 7E2 Series
- **Power Supply:** 2 x 1600W redundant PSUs 80 PLUS Platinum
- **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 3rd Gen

Chipset

- Chipset: Intel C621A Chipset

Memory

- Memory Type: DDR4 2666MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 32
- Maximum Memory: 2048GB

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 (10/100/1000)
- LAN Chipset: Intel i350
- Second LAN Chipset: Intel i350
- 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

Expansion Slots

- PCI Express x16 Slots On Motherboard: 3
- PCI Express x8 Slots On Motherboard: 5

M.2 Slot Specs

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 2

Chassis Specifications:

General

- Form Factor: 2U Rackmount
- Color: Black & Silver
- Material: Steel & Plastic
- Material Thickness: 1mm
- Redundant Power Supply Capable
- Slide Rails: Included

Expansion

- Full Height Slots: 6
- Low Profile Slots: 2
- 2.5" Hot Swap Bays: 2
- 3.5" or 2.5" Hot Swap Bays: 12

Front Ports

- USB 3.2 Ports (Front): 2

Cooling System

- Maximum Fan Count: 4
- Included Fans: 4

Physical

- Depth: 28.90"
- Width: 17.25"
- Height: 3.45"
- Shipping Box - Depth: 39"
- Shipping Box - Width: 24"
- Shipping Box - Height: 11"
- Shipping Weight: 65lbs

Power

- Built-in Chassis Power Supply: 2 x 1600W redundant PSUs 80 PLUS Platinum

Other Features

- Features:
 - 8 x 3.5" or 2.5" SATA/SAS hot-swappable HDD/SSD bays
 - 4 x 3.5" or 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays
 - 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays in rear side

SAS card is required for SAS devices support

Headers

- FAN Connectors: 4

Management Features

- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- High Humidity: 80%
- Low Humidity: 8%

Operating System Support

- Ubuntu Server Edition
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- VMWare Compatible

Warranty of Component

- Motherboard Warranty: 3 Years

Other Features

- Other Features:
 - 1 x PCIe x16 slot (Gen4 x16), Full height half-length
 - 2 x PCIe x8 slots (Gen4 x8), Full height half-length
 - 1 x PCIe x16 slot (Gen4 x16 or x8), Full height half-length
 - 1 x PCIe x8 slots (Gen4 x0 or x8), Full height half-length
 - 1 x PCIe x16 slot (Gen4 x16 or x8), shared with OCP 2.0, Full height
 - 2 x PCIe x8 slots (Gen4 x8), Low profile half-length



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