

1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-1U-MCX-C621A-ICX-TT



(Not all images available on web site)

Type:

- 1U Rack Mount Server
- Depth: 21"

Motherboard:

- Featuring Intel C621A Chipset and Intel Xeon Scalable Processors 3rd Gen processor
- **Full Height Slots:**
 - 1 - PCIe x16
- **LAN:** 2x Ports (10GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
 - 4x USB 3.2 Gen 1 Ports (2 Front, 2 Rear)
 - 2x COM Ports (1 RS232 Rear, 1 RS232 Internal Headers)

See specifications for more ports
- **Operating Temperature:** 10°C to 35°C (50°F to 95°F)

Configuration summary:

- **Processor:** 3rd Gen Xeon Silver 4310 - 2.1GHz (up to 3.3GHz) Twelve Core Intel Processor - 18MB Cache (120W)
- **Memory:** 2 x 8GB DDR4 3200MHz ECC Registered RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** Single 600W PSU
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: MicroATX

Supported CPU

- Number of Processors: 1
- Processor Type: Intel Xeon Scalable Processors 3rd Gen

Chipset

- Chipset: Intel C621A Chipset

Memory

- Memory Type: DDR4 2666MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 8
- Maximum Memory: 512GB

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: 10GbE
- LAN Chipset: Intel X710-AT2
- Second LAN Chipset: Intel X710-AT2
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 11
- 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
- 2280 - 22 mm x 80 mm.

Rear IO

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

Chassis Specifications:

General

- Form Factor: 1U Rackmount
- Color: Black & Silver
- Material: Steel & Plastic
- Material Thickness: 1mm

Expansion

- Full Height Slots: 1
- Internal 2.5" Bays: 3
- 3.5" Hot Swap Bays: 4

Front Ports

- USB 3.2 Ports (Front): 2

Cooling System

- Maximum Fan Count: 4
- Included Fans: 4

Physical

- Depth: 21"
- Width: 19"
- Height: 1.75"
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight: 40lbs

Power

- Built-in Chassis Power Supply: Single 600W PSU

Other Features

- Features:
 - 1U Rackmount with single 600W PSU
 - 1 FHHL PCIe4.0 x16
 - 4 Hot-swap 3.5" SATA drive bays, 3 fixed 2.5" SATA drive bays
 - Remote Management (IPMI)

- Serial (Rear IO): 1

Headers

- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- 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: 90%
- Low Humidity: 20%

Operating System Support

- Ubuntu Server Edition
- Windows Server 2019 Std
- Windows Server 2022 STD
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX SERVER STANDARD

Compliance of Component

- CE
- RoHS
- FCC

Warranty of Component

- Motherboard Warranty: 1 Year



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