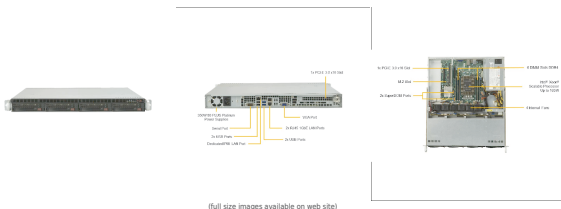# 1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-1U-MCX-C621SPM-LE

Type:

- 1U Rack Mount Server
- Depth: 19.80"

Motherboard:

- Featuring Intel C621 Chipset and Intel Xeon Scalable Processors processor
- **Full Height Slots:**
  1 - PCIe x8
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **RAID:** 0,1,5,10 via LSI MegaRAID
- **Video:** VGA
- **Audio:** No Onboard Audio
- **Ports:**
  6x USB 2.0 Ports (2 Rear, 4 Internal Headers)
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  2x COM Ports (1 RS232 Rear, 1 RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

(full size images available on web site)

Configuration summary:

- **Processor:** Xeon Bronze 3104 - 1.70GHz Six Core Intel Processor - 8.25MB Cache (85W)
- **Memory:** 8GB DDR4 2666MHz ECC Registered RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 350W AC power supply w/ PFC
- **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

Chipset
- Chipset: Intel C621 Chipset

Memory
- Memory Type: DDR4 2666MHz ECCR
- Memory Type: ECC Registered
- DIMMS: 6
- Maximum Memory: 1500GB

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)
- LAN Chipset: Intel X722
- Second LAN Chipset: Marvell 88E1512
- Wireless LAN: No Integrated WLAN

Drive Interface
- SATA III Ports (6GB): 4
- 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
- 2242 - 22 mm x 42 mm.
- 2280 - 22 mm x 80 mm.

Rear IO
- USB 2.0 Ports (on IO): 2

Chassis Specifications:

General
- Form Factor: 1U Rackmount
- Color: Black
- Material: Steel & Plastic
- Material Thickness: 1mm
- Slide Rails: Optional

Expansion
- Full Height Slots: 1
- 3.5" Hot Swap Bays: 4

Cooling System
- Maximum Fan Count: 6
- Included Fans: 4

Physical
- Depth: 19.80"
- Depth (Inches): 19.8
- Width: 17.20"
- Height: 1.70"
- Shipping Box - Depth: 29.50"
- Shipping Box - Width: 24"
- Shipping Box - Height: 8.50"
- Shipping Weight: 31lbs

Power
- Built-in Chassis Power Supply: 350W AC power supply w/ PFC

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

Headers
- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 8

Management Features
- TPM Support: Via 2.0 Header

Environmental
- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 85%
- Low Humidity: 10%

Operating System Support
- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- Windows 10 IoT Ent
- SL-Windows 11PRO to 10PRO 64bit
- Ubuntu Server Edition
- Windows Server 2012
- 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

Warranty of Component
- Motherboard Warranty: 1 Year

Other Features
- Other Features:
  PCI-Express

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