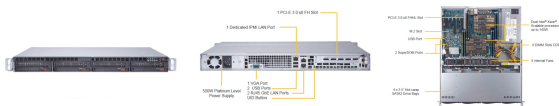# 1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-1U-MCX-C621DPL-LE

(full size images available on web site)

Type:

- 1U Rack Mount Server
- Depth: 19.98"

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:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  4x USB 2.0 Ports (2 Rear, 2 Internal Headers)
  2x USB 3.2 Gen 1 Ports (2 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 10ºC to 35ºC (50ºF to 95ºF)

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:** 500W Multi-output power supply w/ PMbus, 80Plus Platinum
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: ATX

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: 8
- Maximum Memory: 64GB

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

Drive Interface
- SATA III Ports (6GB): 10
- 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
- 2260 - 22 mm x 60 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 & Silver
- 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: 19.98"
- Width: 17.20"
- Height: 1.70"
- Shipping Box - Depth: 29.70"
- Shipping Box - Width: 23.40"
- Shipping Box - Height: 8.50"
- Shipping Weight: 35lbs

Power
- Built-in Chassis Power Supply: 500W Multi-output power supply w/ PMbus, 80Plus Platinum

Other Features
- Features:
  PCI-Express
    - 1 PCI-E 3.0 x8 (FHHL) slot in 1U Chassis

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- FAN Connectors: 8
- Chassis Intrusion

Management Features

- NMI
- Watch Dog
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10ºC to 35ºC (50ºF to 95ºF)
- High Humidity: 90%
- Low Humidity: 8%

Operating System Support

- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- Windows 10 IoT Ent
- SL-Windows 11PRO to 10PRO 64bit
- LINUX Ubuntu Workstation
- Ubuntu Server Edition
- 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
- VMWare Compatible: Partially Supported

Compliance of Component

- CE
- RoHS
- FCC

Warranty of Component

- Motherboard Warranty: 1 Year

Other Features

- Other Features:

PCI-E	○ 2 PCI-E 3.0 x16, ○ 3 PCI-E 3.0 x8, ○ 1 PCI-E 3.0 x4 (in x8 slot)
M.2	○ M.2 Interface: PCI-E 3.0 x4 ○ Form Factor: 2260, 2280