

4U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG

SL-4U-MCX-C621DAI-WAD





Intel Xeon Scalable Platform

Type:

- 4U Rack Mount Server
- Depth: 21.50", Max Card Depth: Full Length", Locking Front Bezel

Motherboard:

- Featuring Intel C621 Chipset and Intel Xeon Scalable Processors processor
- Long Production Cycle Motherboard (Through Q3 2024)
- Full Height Slots:
 - 4 PCle x16
 - 2 PCle x8
- LAN: 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- Video: 1x VGA
- Audio: 7.1 HD Audio
- Ports:
 - 6x USB 3.2 Gen 1 Ports (2 Front, 4 Rear)
 - 1x USB 3.2 Gen 2 Port (1 Rear)
 - 1x USB 3.2 Gen 2 Type-C Port (1 Rear)
 - 1x COM Port (RS232 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 3200MHz ECC Registered RAM
- Hard Drive: 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s

- Power Supply: 550W Fully Modular ATX
 - Power Supply 80+ Bronze
- Operating System: Not Included -
- Warranty: One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

Motherboard Type: Extended ATX

• Long Production Cycle

Long Life: YESEOL Date: Q3 2024

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: 16

• Maximum Memory: 1024GB

On Board Audio

• Audio Type: 7.1 HD Audio

On Board Video

• Video Chipset: ASPEED AST2500 BMC

Video on IO: 1x VGAVGA Port Out: 1

LAN

• LAN Ports: 2

• LAN Type: 1GbE + 1GbE

• LAN Chipset: Intel PCH C621

• Second LAN Chipset: Intel PCH C621

• 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

Front Changeable Air FilterColor: Black & Silver

Material: Metal/Steel

• Material Thickness: 1.20mm

• Form Factor: 4U Rackmount

Motherboard Compatibility: SSI EEBRedundant Power Supply Capable

• Slide Rails: Optional

Chassis Specifications:

General

Expansion

• Full Height Slots: 7

• Max Card Depth: Full Length"

• External 5.25" Bays: 3

• Internal 3.5" Bays: 4

• External 3.5" Bays: 1

• Serial Port Punchouts: 2

Front Ports

• USB 3.2 Ports (Front): 2

Cooling System

• Maximum Fan Count: 3

• Included Fans: 1

Physical

• Depth: 21.50"

• Depth (Inches): 21.5

• Width: 16.90"

• Height: 7"

• Shipping Box - Depth: 26"

• Shipping Box - Width: 23"

• Shipping Box - Height: 12"

Shipping Weight: 28lbs

Compliance of Component

RoHS

Other Features

• Chassis Warranty: 1 Year

Expansion Slots

- PCI Express x16 Slots On Motherboard: 4
- PCI Express x8 Slots On Motherboard: 2

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- 22110 22 mm x 110 mm.
- 2260 22 mm x 60 mm.
- 2280 22 mm x 80 mm.

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 4
- USB 3.2 Gen 2 Type A Ports (on IO): 1
- USB 3.2 Gen 2 Type C Ports (on I/O): 1
- SPDIF Connector: 1
- Audio on IO

Headers

- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 8
- DOM
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Management Features

- NMI
- Watch Dog

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)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Ent
- Windows 10 IoT Ent 2019 LTSC
- Windows Server 2016 STD
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Workstation
- Ubuntu Server Edition
- VMWare Compatible

Compliance of Component

• FCC

Other Features

• Other Features:

• 4 PCI-E 3.0 x16,

• 2 PCI-E 3.0 x8

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers.)

• Interface: PCle 3.0 x4

• Form Factor: M-Key 2260, 2280, 22110

• Motherboard Warranty: 1 Year



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