2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-MCX-C621ASPI-DF

(full size images available on web site)

Type:

- 2U Rack Mount Industrial PC
- Depth: 17", Max Card Depth: 9 inches"

Motherboard:

- Featuring Intel C621A Chipset and Intel Xeon Scalable Processors 3rd Gen processor
- **Low Profile Slots:**
  3 - PCIe x16
  2 - PCIe x8
- **LAN:** 2x Ports (10GbE + 10GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  4x USB 2.0 Ports (2 Rear, 2 Internal Headers)
  4x USB 3.2 Gen 1 Ports (2 Front, 2 Rear)
  1x COM Port (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 5ºC to 50ºC (41ºF to 122ºF)

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:** 500W Full Range Input 1U Power Supply - Active PFC 80+ GOLD
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: ATX

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: 2048GB

On Board Audio
- Audio Type: No Onboard Audio

On Board Video
- Video Chipset: ASPEED AST2600 BMC
- Video on IO: 1x VGA
- VGA Port Out: 1

LAN
- LAN Ports: 2
- LAN Type and IPMI: 10GbE + 10GbE
- LAN Chipset: Intel X550 10GBase-T
- Second LAN Chipset: Intel X550 10GBase-T
- 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

Expansion Slots
- PCI Express x16 Slots On Motherboard: 3
- PCI Express x8 Slots On Motherboard: 2

M.2 Slot Specs
- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- PCIe Signal

Chassis Specifications:

General
- Form Factor: 2U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

Expansion
- Low Profile Slots: 7
- Max Card Depth: 9 inches"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 3
- External 3.5" Bays: 1

Front Ports
- USB 3.2 Ports (Front): 2

Cooling System
- Maximum Fan Count: 3
- Included Fans: 3

Physical
- Depth: 17"
- Depth (Inches): 17
- Width: 19"
- Height: 3.50"
- Shipping Box - Depth: 24"
- Shipping Box - Width: 23"
- Shipping Box - Height: 8"
- Shipping Weight: 28lbs

Compliance of Component
- RoHS

Other Features
- Chassis Warranty: 1 Year

Power
- Remote Server Management:

- 22110 - 22 mm x 110 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 2

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.0 Type A Interal: 1
- Serial (via Headers): 1
- FAN Connectors: 7
- TPM Support: Via 2.0 Header

Management Features

- Watch Dog

Environmental

- Operating Temperature: 5ºC to 50ºC (41ºF to 122ºF)
- High Humidity: 85%
- Low Humidity: 10%

Operating System Support

- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows Server 2016 STD
- Windows Server 2019 Std
- Windows Server 2022 STD
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- Ubuntu Server Edition

Compliance of Component

- CE
- FCC

Other Features

- Other Features:
  PCI-E
  2 PCI-E 4.0 x16,
  1 PCI-E 4.0 x8 (in x16 slot),
  2 PCI-E 4.0 x8
- Motherboard Warranty: 1 Year

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