4U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-4U-C256P12-10GB-SD





(full size images available on web site)

Type:

- 4U Rack Mount Server
- Depth: 16.89", Max Card Depth: 375mm (with 25mm thick front fans)"

Motherboard:

- Featuring Intel C256 Chipset and Intel Xeon E-2300 Processor processor
- **Full Height Slots:**
  1 - PCIe x16
  3 - PCIe x8
- **LAN:** 2x Ports (10GbE + 10GbE + IPMI)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  2x USB 2.0 Ports (2 Internal Headers)
  4x USB 3.2 Gen 1 Ports (2 Front, 2 Rear)
  2x USB 3.2 Gen 2 Ports (2 Rear)
  1x COM Port (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 10ºC to 50ºC (50ºF to 122ºF)

Configuration summary:

- **Processor:** Intel Xeon E-2314 (Up to 4.5 GHz) - 2.8 GHz - 4 core - 4 threads - 8MB Cache - E-2300 Series (65W)
- **Memory:** 2 x 32GB DDR4 3200MHz ECCU 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: ATX

Supported CPU
- Number of Processors: 1
- Processor Type: Intel Xeon E-2300 Processor

Chipset
- Chipset: Intel C256 Chipset

Memory
- Memory Type: DDR4 3200MHz
- Memory Type: ECC Unbuffered
- DIMMS: 4
- Maximum Memory: 128GB

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
- HDMI Out: 1

LAN
- LAN Ports: 2
- LAN Type and IPMI: 10GbE + 10GbE + IPMI
- LAN Chipset: Intel X710-AT2
- Second LAN Chipset: Intel X710-AT2
- Third LAN Chipset: Dedicated IPMI
- Wireless LAN: No Integrated WLAN

Drive Interface
- SATA III Ports (6GB): 8
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots
- PCI Express x16 Slots On Motherboard: 1
- PCI Express x8 Slots On Motherboard: 3

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

Chassis Specifications:

General
- Form Factor: 4U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: SSI CEB
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion
- Full Height Slots: 8
- Max Card Depth: 375mm (with 25mm thick front fans)"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 3
- Internal 2.5" Bays: 8

Front Ports
- USB 3.2 Ports (Front): 2
- USB Type-C (Front): 1

Cooling System
- Maximum Fan Count: 3

Physical
- Depth: 16.89"
- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Width: 17"
- Height: 6.96"
- Shipping Box - Depth: 21"
- Shipping Box - Width: 21"
- Shipping Box - Height: 11"
- Shipping Weight: 30lbs

Other Features
- Features:
    - 8x full height PCIe card slot cutouts
    - Maximum card height: 158mm (card and power connector must be ≤158mm tall)
    - Maximum card length: 375mm (with 25mm thick front fans)
    -
    - LIQUID COOLING NOTE: radiators reduce

- M.2 SATA SSD
- PCIe Signal
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- 22110 - 22 mm x 110 mm.
- M.2 Slot #2 Specs
- M.2 SATA SSD
- PCIe Signal
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- 22110 - 22 mm x 110 mm.

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 3.2 Gen 1 Type A Ports (on IO): 2
- USB 3.2 Gen 2 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: 6
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10ºC to 50ºC (50ºF to 122ºF)
- High Humidity: 90%
- Low Humidity: 20%

Operating System Support

- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC High End
- 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
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- RoHS
- FCC

Other Features

- Features:
  - the available depth inside the case for long GPUs
  - Inside of case is 399mm deep
  - Thickness of radiator + thickness of case fans + GPU length must equal less than 399mm total.
  -
- Chassis Warranty: 1 Year

Power

- Remote Server Management:

Expansion Slots	Total Slot : 4 Slot Location 1 : PCI-E x8 (Gen3 X4 Link) Slot Location 2 : PCI-E x8 (Gen3 X4 Link) Slot Location 4 : PCI-E x8 (Gen4 X8 Link) Slot Location 6 : PCI-E x16 (Gen4 X16 Link), Auto switch to x8 link if slot 4 is occupied
Storage	Storage Controller : 8 x SATA 3 6Gb/s ports by 4 Mini-SAS HD connectors 2 x M.2 connector(2242/2260/2280/22110) both SATA & PCIe mode * *Gen4 x4 Link & Gen3 x2 Link,gray SATA port will

disabl
e
when
M.2 is
SATA
signal

- Motherboard Warranty: 1 Year