

3U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-3U-C256P12-10GB-SR



Type:

- 3U Rack Mount Server
- Depth: 14.89", Max Card Depth: 324mm"

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:** 10°C to 50°C (50°F to 122°F)

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:** 450W SFX-form factor auto-switching power supply
- **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: 3U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: E-ATX
- Slide Rails: Optional

Expansion

- Full Height Slots: 8
- Max Card Depth: 324mm"
- External 3.5" Bays: 1
- Internal 2.5" Bays: 2

Front Ports

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

Cooling System

- Maximum Fan Count: 2

Physical

- Depth: 14.89"
- Width: 17"
- Height: 5.22"
- Shipping Box - Depth: 24"
- Shipping Box - Width: 23"
- Shipping Box - Height: 11"
- Shipping Weight: 28lbs

Other Features

- Features:
 - 8x full height PCIe card slot cutouts
 - Maximum card height: 115mm
 - Maximum card length with 3x Noctua A12x25 fans: 324mm
 - Maximum card length with Asetek 360mm AIO and Noctua A12x25 fans: 297mm
 - Maximum card length with no fans / no AIO cooler: 349mm
- Chassis Warranty: 1 Year

- 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 Internal: 1
- Serial (via Headers): 1
- FAN Connectors: 6
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 10°C to 50°C (50°F to 122°F)
- 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:

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

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- Motherboard Warranty: 1 Year

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