

## 4U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG

SL-4U-C256P12-10GB-SD





## 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 PCle x16
  - 3 PCle x8
- **LAN:** 2x Ports (10GbE + 10GbE + IPMI)
- RAID: 0,1,5,10Video: 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 8GB 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 3200MHzMemory 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 VGAVGA Port Out: 1HDMI Out: 1

## LAN

• LAN Ports: 2

• LAN Type: 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,

## **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/SteelMaterial Thickness: 1mm

Motherboard Compatibility: SSI CEBRedundant Power Supply Capable

• Slide Rails: Optional

## **Expansion**

• Full Height Slots: 8

 Max Card Depth: 375mm (with 25mm thick front fans)"

External 5.25" Bays: 1Internal 3.5" Bays: 3Internal 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)

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• 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: 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 WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER BASIC
- 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.

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• 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 Stora ge Contr oller: 8 x SATA 3 6Gb/s ports by 4 Mini-SAS HD conne ctors 2 x M.2 conne ctor(2 242/2 260/2 280/2 2110) both SATA & PCle mode \* \*Gen4 х4 Link & Gen3 х2 Link,g ray SATA port will

disabl

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when

M.2 is

SATA

signal

• Motherboard Warranty: 1 Year



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