2U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-2U-C256STH-2LN-GD

Type:

- 2U Rack Mount Server
- Depth: 15.35", Max Card Depth: 9.00"

Motherboard:

- Featuring Intel C256 Chipset and Intel Xeon E-2300 Processor processor
- **Low Profile Slots:**
  1 - PCIe x16
  2 - PCIe x8
- **LAN:** 2x Ports (1GbE + 1GbE + IPMI)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA
- **Audio:** No Onboard Audio
- **Ports:**
  6x USB 2.0 Ports (2 Front, 2 Rear, 2 Internal Headers)
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  2x COM Ports (1 RS232 Rear, 1 RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 50ºC (32ºF 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:** 400W ATX Power Supply - Auto-Switching, 80+ Bronze.
- **Operating System:** Not Included -

- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MicroATX

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

LAN
- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE + IPMI
- LAN Chipset: Intel i210
- Second LAN Chipset: Intel i210
- 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: 2

M.2 Slot Specs

Chassis Specifications:

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

Expansion
- Low Profile Slots: 4
- Max Card Depth: 9.00"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 3

Front Ports
- USB 2.0 Ports (Front): 2

Cooling System
- Maximum Fan Count: 2
- Included Fans: 1

Physical
- Depth: 15.35"
- Depth (Inches): 15.35
- Width: 19"
- Height: 3.50"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 21"
- Shipping Box - Height: 7"
- Shipping Weight: 25lbs

Other Features
- Chassis Warranty: 1 Year

Power
- Remote Server Management:

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

Rear IO

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

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.0 Type A Interal: 1
- Serial (via Headers): 1
- FAN Connectors: 6
- TPM Support: 2.0 Module Included

Environmental

- Operating Temperature: 0ºC to 50ºC (32ºF to 122ºF)
- High Humidity: 90%
- Low Humidity: 8%

Operating System Support

- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- 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

- CE
- FCC

Other Features

- Features:
  PCIe
  1 PCIe 3.0 x4 (in x8 slot),
  1 PCIe 4.0 x16,
  1 PCIe 4.0 x4 (in x8 slot)

  M.2
  M.2 Interface: 1 PCIe 3.0 x4
  Form Factor: 2280/22110

Key: M-Key

- Motherboard Warranty: 1 Year

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