2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-WS-C246SCZM-GD-QUIET

Type:

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

Motherboard:

- Featuring Intel C246 Chipset and Xeon E-2100 (LGA1151, 8th & 9th Gen 'Coffee Lake') processor
- **Low Profile Slots:**
  1 - PCIe x16
  2 - PCIe x8
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x VGA, 1x DVI-I, 1x DisplayPort
- **Audio:** Realtek ALC888S HD Audio
- **Ports:**
  6x USB 2.0 Ports (2 Front, 4 Internal Headers)
  2x USB 3.2 Gen 1 Ports (2 Internal Headers)
  3x USB 3.2 Gen 2 Ports (3 Rear)
  2x USB 3.2 Gen 2 Type-C Ports (1 Rear, 1 Internal Headers)
  4x COM Ports (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 10ºC to 35ºC (50ºF to 95ºF)

Configuration summary:

- **Processor:** G4900 - 3.1GHz Intel Celeron CPU - Dual Core, 2MB Cache, UHD Graphics 610 (54W) (ERM) - or Better
- **Memory:** 8GB DDR4 3200MHz 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: Xeon E-2100 (LGA1151, 8th & 9th Gen ‘Coffee Lake’)

Chipset
- Chipset: Intel C246 Chipset

Memory
- Memory Type: DDR4 2666MHz ECCU
- Memory Type: ECC Unbuffered
- DIMMS: 4
- Maximum Memory: 128GB

On Board Audio
- Audio Type: Realtek ALC888S HD Audio

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 1x VGA, 1x DVI-I, 1x DisplayPort
- VGA Port Out: 1
- DVI-I Out: 1
- Display Port Out: 2

LAN
- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

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

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:

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1
- PCI Express x8 Slots On Motherboard: 2

M.2 Slot Specs

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

Rear IO

- USB 3.2 Gen 2 Type A Ports (on IO): 3
- USB 3.2 Gen 2 Type C Ports (on I/O): 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 6
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Serial (via Headers): 4
- FAN Connectors: 6
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Management Features

- Watch Dog

Environmental

- Operating Temperature: 10ºC to 35ºC (50ºF to 95ºF)
- High Humidity: 90%
- Low Humidity: 10%

Operating System Support

- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Value
- Windows 10 IoT Ent
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- Windows 10 IoT 2021 LTSC Value
- Windows 10 IoT 2021 LTSC High End
- Windows Server 2016 STD
- Windows Server 2019 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
- RoHS
- FCC

Other Features

- Other Features:
    - 1 PCI-E 3.0 x16 Slot
    - 2 PCI-E 3.0 x8 Slot running at x4 speed
    - 1 M.2 M-Key SATA/PCI-E 3.0 x4, 2280/22110

  * Access to PCI Express slot requires expansion slot and a riser in some chassis models. Please check Chassis Specification section for more information.

  If you have any questions, please discuss with our Sales Engineers.

- Motherboard Warranty: 1 Year

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