

1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG

SL-1U-WS-C246SCZM-LH





Type:

- 1U Rack Mount Industrial PC
- Depth: 19.80", Max Card Depth: 6.98"

Motherboard:

- Featuring Intel C246 Chipset and Xeon E-2100 (LGA1151, 8th & 9th Gen 'Coffee Lake') processor
- Long Production Cycle Motherboard (Through Q3 2025)
- **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: 10°C to 35°C (50°F to 95°F)

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: 1U 350W Multi-output power supply Platinum level

Operating System: Not Included -Warranty: One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Chassis Specifications:

Motherboard Model

• Motherboard Type: MicroATX

• Long Production Cycle

Long Life: YES

• EOL Date: Q3 2025

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: 1DVI-I Out: 1

• Display Port Out: 2

LAN

• LAN Ports: 2

LAN Type: 1GbE + 1GbELAN Chipset: Intel i210AT

Second LAN Chipset: Intel i219LMWireless LAN: No Integrated WLAN

Drive Interface

• SATA III Ports (6GB): 5

RAID

• RAID Type: Software RAID

General

• Form Factor: 1U Rackmount

Color: Black & SilverMaterial: Metal/SteelMaterial Thickness: 1mm

• Motherboard Compatibility: ATX

• Slide Rails: Included

Expansion

Full Height Slots: 1Max Card Depth: 6.98"3.5" Hot Swap Bays: 4

Front Ports

• USB 2.0 Ports (Front): 2

Cooling System

• Maximum Fan Count: 4

• Included Fans: 4

Physical

• Depth: 19.80"

• Depth (Inches): 19.8

Width: 17.20"Height: 1.70"

Shipping Box - Depth: 29.70"
Shipping Box - Width: 23.40"
Shipping Box - Height: 8.50"

• Shipping Weight: 35lbs

Compliance of Component

• UL

CE

• FCC

CCC

Other Features

• Features:

Chassis comes with 1U Rail Quick-Release 25"

-33" Quickset

• Chassis Warranty: 1 Year

 RAID Levels Supported on Motherboard: 0, 1, 5, 10

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: 10°C to 35°C (50°F to 95°F)
- 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 WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Power

 Built-in Chassis Power Supply: 1U 350W Multioutput power supply Platinum level

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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