

# 1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-1U-WS-C246SCZM-LV



(Full size images available on web site)

## Type:

- 1U Rack Mount Industrial PC
- Depth: 19.85"

## 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:** VGA + DVI-I + DisplayPort
- **Audio:** Realtek ALC888S HD Audio
- **Ports:**
  - 6x USB 2.0 Ports ( 6 Internal Headers )
  - 2x USB 3.2 Gen 1 Ports ( 2 Front )
  - 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:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 400W Redundant Power Supply Platinum with PMBUS
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard 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: VGA + DVI-I + DisplayPort
- VGA Port Out: 1
- DVI-I Out: 1
- Display Port Out: 2

### LAN

- LAN Ports: 2
- LAN Type: 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

### M.2 Slot Specs

## Chassis Specifications:

### General

- Form Factor: 1U Rackmount
- Color: Black & Silver
- Material: Steel & Plastic
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Redundant Power Supply Capable
- Slide Rails: Included

### Expansion

- Full Height Slots: 1
- 3.5" Hot Swap Bays: 4

### Front Ports

- USB 3.2 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 4
- Included Fans: 4

### Physical

- Depth: 19.85"
- Depth (Inches): 19.85
- Width: 17.20"
- Height: 1.70"
- Shipping Box - Depth: 29.70"
- Shipping Box - Width: 23.40"
- Shipping Box - Height: 8.50"
- Shipping Weight: 34lbs

### Compliance of Component

- UL
- CE
- FCC
- CB

### Other Features

- Chassis Warranty: 1 Year

### Power

- Built-in Chassis Power Supply: 400W Redundant Power Supply Platinum with PMBUS

- 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

#### **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



www.superlogics.com  
Phone: 1-508-650-9500

sales@superlogics.com  
Fax: 1-508-650-9525