

2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-WS-C246SCA-WD



Type:

2U Rack Mount Industrial PC

Depth: 18", Max Card Depth: 12.25" , Locking Front Bezel

Motherboard:

Featuring Intel C246 Chipset and Xeon E-2100 (LGA1151, 8th & 9th Gen 'Coffee Lake') processor

Long Production Cycle Motherboard (Through Q3 2025)

Low Profile Slots:

2 - PCIe x16

1 - PCIe x4

1 - PCIe x1

1 - PCI

LAN: 2x GB (10/100/1000)

RAID: 0,1,5,10

Video: HDMI + DisplayPort + VGA + DVI-D

Audio: ALC 888S HD Audio

Ports:

2x USB 2.0 Ports (2 via internal headers)

4x USB 3.1 Ports (2 Rear , 2 via internal headers)

1x COM Port (Headers)

See specifications for more ports

Operating Temperature: 0°C to 60°C (32°F to 140°F)

Also Included:

Processor: G4900 - 3.1GHz Intel Celeron CPU - Dual Core , 2MB Cache, UHD Graphics 610 (54W) - or Better [Upgradeable]

Memory: 4GB DDR4 2400MHz RAM [Upgradeable]

Hard Drive: 1.0TB SATA 6Gb/s 7200RPM 128MB 3.5" - EXOS 7E2 Series [Upgradeable]

Power Supply: 400W Power Supply
[Upgradeable]
Operating System: Not Included -
Warranty: One-Year Depot Warranty
[Upgradeable]

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: ATX
- 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: ALC 888S HD Audio

On Board Video

- Video Chipset: ASPEED AST2500 BMC
- Video on IO: HDMI + DisplayPort + VGA + DVI-D
- VGA Port Out: 1
- DVI-D Out: 1
- Display Port Out: 1
- HDMI Out: 1

LAN

- LAN Ports: 2
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 8

Chassis Specifications:

General

- Form Factor: 2U Rackmount
- Locking Bezel: 1
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

Expansion

- Low Profile Slots: 7
- Max Card Depth: 12.25"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 2
- External 3.5" Bays: 1
- Internal 2.5" Bays: 1

Front Ports

- USB 3.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 3
- Included Fans: 1

Physical

- Depth: 18"
- Depth (Inches): 18
- Width: 16.90"
- Height: 3.50"
- Shipping Box - Depth: 20"
- Shipping Box - Width: 40"
- Shipping Box - Height: 40"
- Shipping Weight: 35lbs

Compliance of Component

- RoHS

Other Features

- Chassis Warranty: 1 Year

- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

- PCI Express x16 Slots On Motherboard: 2
- PCI Express x4 Slots On Motherboard: 1
- PCI Express x1 Slots On Motherboard: 1
- PCI Slots (Conventional 32-Bit): 1

mini PCIe

M.2

- M.2 NVMe: 2
- M.2
- PCIe
- 110mm
- 42mm
- 60mm
- 80mm
- M.2 (2)
- PCIe
- 110mm
- 42mm
- 60mm
- 80mm

Rear IO

- USB 3.1 Gen 1 Type A Ports (on IO): 2
- USB 3.1 Gen 2 Type A Ports (on IO): 1
- USB 3.1 Gen 2 Type C Ports (on I/O): 1
- SPDIF Connector: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.1 Ports Gen 1 (on Headers): 2
- USB 2.0 Ports (Type A): 1
- Serial (via Headers): 1
- FAN Connectors: 5
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Management Features

- IPMI
- Watch Dog

Environmental

- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

- Windows 10 Home (64 Bit)

- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- Windows 10 IoT Value
- Windows 10 IoT Ent
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- Windows Server 2016 STD
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Other Features:
PCI-E

- 1 PCI-E 3.0 x4,
- 1 PCI-E 3.0 x1,
- 2 PCI-Ex16 slots are running at NA/16, or 8/8
- 1 - 5V PCI 32bit

M.2

- M.2 Interface: 2 PCI-E 3.0 x4
- Form Factor: 2242/2260/2280/22110
- Key: M-Key
- M.2#1~2 are shared with PCI-Ex4 slot, M.2#2 is shared with U.2

* 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