

## 2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-2U-GH510M-GD



### Type:

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

### Motherboard:

- Featuring Intel H510 Chipset and 10th/11th Gen Core i7/i5/i3 (LGA1200) processor
- **Low Profile Slots:**
  - 1 - PCIe x16
  - 2 - PCIe x1
- **LAN:** 1x GB (10/100/1000)
- **Video:** HDMI + DisplayPort + VGA + DVI-D
- **Audio:** Realtek Audio CODEC
- **Ports:**
  - 8x USB 2.0 Ports ( 2 Front, 4 Rear, 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 50°C (32°F to 122°F)

### Configuration summary:

- **Processor:** G5905- 3.50GHz Intel Celeron CPU - Dual Core, 4MB Cache, UHD Graphics 610 (58W)
- **Memory:** 4GB DDR4 2666MHz RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 400W Power Supply
- **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: 10th/11th Gen Core i7/i5/i3 (LGA1200)

### Chipset

- Chipset: Intel H510 Chipset

### Memory

- Memory Type: DDR4 2666MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 64GB

### On Board Audio

- Audio Type: Realtek Audio CODEC

### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- 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: 1
- LAN Type: GB (10/100/1000)
- LAN Chipset: Realtek RTL8118
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA III Ports (6GB): 4

### Expansion Slots

- PCI Express x16 Slots On Motherboard: 1
- PCI Express x1 Slots On Motherboard: 2

### mini PCIe

### M.2

- M.2 NVMe: 1
- M.2

## 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: 4

### Front Ports

- USB 2.0 Port (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

- SATA
- PCIe
- 60mm
- 80mm

#### **Rear IO**

- PS/2 Mouse on IO
- PS/2 Keyboard on IO
- USB 2.0 Ports (on IO): 4
- USB 3.2 Gen 1 Type A Ports (on IO): 2
- Audio on IO

#### **Headers**

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 3
- Audio on Headers
- TPM Support: Via 2.0 Header

#### **Environmental**

- Operating Temperature: 0°C to 50°C (32°F to 122°F )
- 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 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- Windows 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

#### **Compliance of Component**

- CE
- RoHS
- FCC

#### **Other Features**

- Other Features:  
Expansion Slots

1 x PCI Express x16 slot, running at x16

(The PCI Express x16 slot conforms to PCI Express 4.0 standard.)

PCIe Gen 4 supported by Intel 11th Gen only.

2 x PCI Express x1 slots

(The PCI Express x1 slots conform to PCI Express 3.0 standard.)

The PCIEX1\_1 slot shares bandwidth with the M.2 connector. When the PCIEX1\_1 slot is populated, the M.2 connector supports up to PCIe 3.0 x2 SSD only.

\* 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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