

# 1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-1U-LLH310I-RD



**Front Available 5.25" Drive Bay, Upgradable Removable Drive Cage, Only 10" Deep, TPM Support: 2.0 Module Included**

## Type:

- 1U Rack Mount Industrial PC
- Depth: 10.19"

## Motherboard:

- Featuring Intel H310 Chipset and 8th and 9th Gen Core i7/i5/i3 (LGA1151) processor
- **Long Production Cycle Motherboard (Through Q1 2025)**
- **LAN:** 2x Ports (1GbE + 1GbE)
- **Video:** VGA + DisplayPort + HDMI
- **Audio:** Realtek ALC887 codec
- **Ports:**
  - 2x USB 2.0 Ports ( 2 Front )
  - 4x USB 3.2 Gen 1 Ports ( 4 Rear )
  - 4x COM Ports (2 RS232 Rear, 2 RS232 Internal Headers)
  - See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)



## Configuration summary:

- **Processor:** G4900 - 3.1GHz Intel Celeron CPU - Dual Core, 2MB Cache, UHD Graphics 610 (54W) (ERM) - or Better
- **Memory:** 8GB DDR4 2666MHz SODIMM RAM
- **Removable Drive Bay:** 2 x 2.5" 5mm-9.5mm HDD/SSD in 5.25" Hot Swap Mobile Rack Cage with Fixed 3.5"

Drive/Device Bay.

- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 220W Flex ATX Power Supply - 115/230VAC Auto switching
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

## Technical Specifications

### MotherBoard Specifications:

#### Motherboard Model

- Motherboard Type: MiniITX
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2025

#### Supported CPU

- Number of Processors: 1
- Processor Type: 8th and 9th Gen Core i7/i5/i3 (LGA1151)

#### Chipset

- Chipset: Intel H310 Chipset

#### Memory

- Memory Type: SO DIMM DDR4 2400MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

#### On Board Audio

- Audio Type: Realtek ALC887 codec

#### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: VGA + DisplayPort + HDMI
- VGA Port Out: 1
- Display Port Out: 1
- HDMI Out: 1

#### LAN

- LAN Ports: 2
- LAN Type: 1GbE + 1GbE
- LAN Chipset: Intel GbE LAN chip
- Second LAN Chipset: Intel GbE LAN chip
- Wireless LAN: No Integrated WLAN

### Chassis Specifications:

#### General

- Form Factor: 1U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX
- Slide Rails: Optional

#### Expansion

- Full Height Slots: 2
- External 5.25" Bays: 1
- Internal 2.5" Bays: 1

#### Front Ports

- USB 2.0 Ports (Front): 2

#### Cooling System

- Maximum Fan Count: 2
- Included Fans: 2

#### Physical

- Depth: 10.19"
- Width: 16.85"
- Height: 1.78"
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight:

#### Other Features

- Features:  
External 5.25" Bay for upgradable Removable Drive Cage.
- Chassis Warranty: 1 Year

### **Drive Interface**

- SATA III Ports (6GB): 4

### **Mini PCIe**

- mini PCIe
- mSATA
- half and/or full size mini PCIe card: full size

### **M.2 Slot Specs**

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- PCIe Signal
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

### **Rear IO**

- USB 3.2 Gen 1 Type A Ports (on IO): 4
- Serial (Rear IO): 2
- Audio on IO

### **Headers**

- USB 2.0 Ports (on Headers): 2
- Serial (via Headers): 2
- FAN Connectors: 2
- Audio on Headers
- TPM Support: 2.0 Module Included

### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 95%
- Low Humidity: 5%

### **Operating System Support**

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- 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 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- LINUX Ubuntu Desktop
- LINUX Ubuntu Workstation
- Ubuntu Server Edition

### **Compliance of Component**

- CE

- RoHS
- FCC

#### **Other Features**

- Other Features:
  - 1 x PCI Express x16 slot, running at x16 (PCIEX16)  
(The PCIEX16 slot conforms to PCI Express 3.0 standard.)
  - 1 x M.2 Socket 1 connector for an Intel® CNVi or PCIe wireless module (CNVi)
  - 1 x full size Mini PCIe connector (MSATA\_PCIE)
    - \* The MSATA\_PCIE slot shares bandwidth with the SATA3 2 connector. When an MSATA SSD is populated, the SATA3 2 connector becomes unavailable.
    - \* The MSATA\_PCIE connector can also be used as an MSATA connector.  
(The Mini PCI Express slot conforms to PCI Express 2.0 standard.)
- Motherboard Warranty: 1 Year



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