

# 1U Rack Mount Industrial PC Rackmount

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



## TPM Support: 2.0 Module Included

### Type:

- 1U Rack Mount Industrial PC
- Depth: 11", Max Card Depth: 6.5 inches"

### 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
- **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

### 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

## Chassis Specifications:

### General

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

### Expansion

- Full Height Slots: 1
- Max Card Depth: 6.5 inches"
- Internal 2.5" Bays: 2

### Front Ports

- USB 2.0 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 2
- Included Fans: 2

### Physical

- Depth: 11"
- Depth (Inches): 11
- Width: 19.10"
- Height: 1.75"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 15"
- Shipping Box - Height: 5"
- Shipping Weight: 15lbs

### Other Features

- Chassis Warranty: 1 Year

- 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



[www.superlogics.com](http://www.superlogics.com)  
Phone: 1-508-650-9500

[sales@superlogics.com](mailto:sales@superlogics.com)  
Fax: 1-508-650-9525