

## 1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-1U-JH110M-LG-1



### Chassis Supports 1x 3.5" HDD or 2x 2.5" HDD/SSD

#### Type:

- 1U Rack Mount Industrial PC
- Depth: 14", Max Card Depth: 12.28"

#### Motherboard:

- Featuring Intel H110 Chipset and 7th and 6th Gen Core i7/i5/i3 (LGA1151) processor
- **Long Production Cycle Motherboard (Through Q3 2030)**
- **LAN:** 2x Ports (1GbE + 1GbE)
- **Video:** VGA + HDMI + DVI-D
- **Audio:** 5.1 channel by Realtek ALC662
- **Ports:**
  - 5x USB 2.0 Ports ( 2 Front, 2 Rear, 1 Internal Headers )
  - 4x USB 3.2 Gen 1 Ports ( 4 Rear )
  - 10x COM Ports (1 RS232 Rear, 8 RS232 Internal Headers, 1 RS232/422/485 Rear)
  - See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

#### Configuration summary:

- **Processor:** G4400 - 3.3GHz Intel Pentium Dual Core - 3MB Cache, HD Graphics 510 (54W) (ERM) or Better
- **Memory:** 8GB DDR4 2666MHz RAM
- **Hard Drive:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue
- **Power Supply:** Built-in 200W Power Supply
- **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 2030

### Supported CPU

- Number of Processors: 1
- Processor Type: 7th and 6th Gen Core i7/i5/i3 (LGA1151)

### Chipset

- Chipset: Intel H110 Chipset

### Memory

- Memory Type: DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

### On Board Audio

- Audio Type: 5.1 channel by Realtek ALC662

### On Board Video

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

### LAN

- LAN Ports: 2
- LAN Type: 1GbE + 1GbE
- LAN Chipset: Realtek RTL8111G
- Second LAN Chipset: Realtek RTL8111G
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA III Ports (6GB): 3

### Mini PCIe

- mini PCIe
- mSATA

## Chassis Specifications:

### General

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

### Expansion

- Full Height Slots: 1
- Max Card Depth: 12.28"
- Internal 3.5" Bays: 1

### Front Ports

- USB 2.0 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 1
- Included Fans: 1

### Physical

- Depth: 14"
- Depth (Inches): 14
- Width: 16.80"
- Height: 1.70"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 21"
- Shipping Box - Height: 7"
- Shipping Weight: 20lbs

### Compliance of Component

- UL
- CE
- FCC

### Other Features

- Chassis Warranty: 1 Year

### Power

- Built-in Chassis Power Supply: 200W ATX12V Power Supply

- 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
- 22110 - 22 mm x 110 mm.
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

### **Rear IO**

- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 4
- Serial (Rear IO): 1
- Serial 232/422/485 Ports: 1

### **Headers**

- USB 2.0 Ports (on Headers): 3
- Serial (via Headers): 8
- TPM Support: 1.2 Module Included

### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 90%
- Low Humidity: 5%

### **Operating System Support**

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- Windows 7 PRO (FES) DGS 32-BIT
- Windows 7 PRO (FES) DGS 64-BIT
- SL-Windows 10PRO to 7PRO 32-bit
- SL-Windows 10PRO to 7PRO 64-bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (64-bit)
- Windows Embedded 8 (64-bit)
- 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
- 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
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

#### **Compliance of Component**

- UL
- CE
- RoHS
- FCC

#### **Other Features**

- Other Features:
  - 1x PCI-E 2.0 x16 Slot (by 16-lane)
  - 1x PCI-E 2.0 x1 Slot
  - 1x mini PCI-E Slot (Full-size)
  - 1x M.2 SATA M-key, 2242/2260/2280/22110 (SATA SSD Only)
  - 2x PCI Slot

\* 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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