4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-4U-LLH610M-WBD

Type:

- 4U Rack Mount Industrial PC
- Depth: 17.50", Max Card Depth: 12.28 inches", Locking Front Bezel

Motherboard:

- Featuring Intel H610 Chipset and 13th & 12th Gen Intel Core™, Pentium Gold and Celeron, LGA1700 processor
- **Full Height Slots:**
  1 - PCIe x16
  2 - PCIe x1
  1 - PCI
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **Video:** 1x VGA, 2x DisplayPort
- **Audio:** 7.1 HD Audio
- **Ports:**
  8x USB 2.0 Ports (2 Rear, 6 Internal Headers)
  2x USB 3.2 Gen 1 Ports (2 Front)
  2x USB 3.2 Gen 2 Ports (2 Rear)
  2x COM Ports (1 RS232 Rear, 1 RS232 Internal Headers)
  1x Parallel Port (Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 40ºC (32ºF to 104ºF)

Configuration summary:

- **Processor:** i3-12100 - 3.30GHz (up to 4.30GHz) Intel Core CPU - 4 Core, 12MB Cache, UHD Graphics 730 (Base 60W, Max 89W) (ERM)
- **Memory:** 8GB DDR4 3200MHz RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s

- **Power Supply:** 550W Fully Modular ATX Power Supply - 80+ Bronze
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MicroATX
- Long Production Cycle

Supported CPU
- Number of Processors: 1
- Processor Type: 13th & 12th Gen Intel Core™, Pentium Gold and Celeron, LGA1700

Chipset
- Chipset: Intel H610 Chipset

Memory
- Memory Type: DDR4 3200MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 64GB

On Board Audio
- Audio Type: 7.1 HD Audio

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 1x VGA, 2x DisplayPort
- VGA Port Out: 1
- Display Port Out: 2

LAN
- LAN Ports: 1
- LAN Type and IPMI: 1GbE (10/100/1000)
- LAN Chipset: Intel GbE LAN chip
- 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
- PCI Slots (Conventional 32-Bit): 1

Chassis Specifications:

General
- Form Factor: 4U Rackmount
- Front Changeable Air Filter
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1.20mm
- Motherboard Compatibility: ATX
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion
- Full Height Slots: 7
- Max Card Depth: 12.28 inches"
- External 5.25" Bays: 3
- Internal 3.5" Bays: 4
- External 3.5" Bays: 2
- Serial Port Punchouts: 2

Front Ports
- USB 3.2 Ports (Front): 2

Cooling System
- Maximum Fan Count: 3
- Included Fans: 1

Physical
- Depth: 17.50"
- Depth (Inches): 17.5
- Width: 16.90"
- Height: 7"
- Shipping Box - Depth: 23"
- Shipping Box - Width: 22"
- Shipping Box - Height: 12"
- Shipping Weight: 28lbs

Compliance of Component
- RoHS

Other Features
- Chassis Warranty: 1 Year

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- PCIe Signal
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

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

Headers

- USB 2.0 Ports (on Headers): 6
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- Parallel Ports: 1
- FAN Connectors: 2
- Audio on Headers
- Chassis Intrusion
- TPM Support: 2.0 Module Included

Environmental

- Operating Temperature: 0ºC to 40ºC (32ºF to 104ºF)
- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

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

Compliance of Component

- RoHS
- FCC

Other Features

- Features:

TPM IC Onboard	Intel 13th &

Power

- Remote Server Management:

Expansion Slots	12th Gen Processors 1 x PCIe 4.0 x16 slot Intel H610 Chipset 2 x PCIe 3.0 x1 slots 1 x PCI slot * Access to PCI Express slot requires expansion slot and a riser in some chassis models. Please check Chassis Specification sectio

n for more information.

If you have any questions, please discuss with our Sales Engineers

- Motherboard Warranty: 1 Year