1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-1U-LLW480I-RD





Type:

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

Motherboard:

- Featuring Intel W480 Chipset and 10th Gen Intel Core i9, i7, i5, i3, Intel Xeon W-1200, LGA1200 processor
- **Long Production Cycle Motherboard (Through Q4 2030)**
- **Full Height Slots:**
  1 - PCIe x16
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1
- **Video:** 1x DisplayPort + HDMI
- **Audio:** Realtek ALC888S HD Audio
- **Ports:**
  4x USB 2.0 Ports (2 Front, 2 Internal Headers)
  4x USB 3.2 Gen 2 Ports (4 Rear)
  2x COM Ports (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

Configuration summary:

- **Processor:** i3-10100 - 3.6GHz (up to 4.3GHz) Intel Quad-Core (4 cores) CPU - 6MB Cache, UHD Graphics 630 (65W)
- **Memory:** 8GB DDR4 3200MHz SODIMM RAM
- **Removable Drive Bay:** 2 x 2.5" 5mm-9.5mm HDD/SSD in 5.25" Hot Swap Mobile Rack Cage.
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s

- **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: Q4 2030

Supported CPU

- Number of Processors: 1
- Processor Type: 10th Gen Intel Core i9, i7, i5, i3, Intel Xeon W-1200, LGA1200

Chipset

- Chipset: Intel W480 Chipset

Memory

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

On Board Audio

- Audio Type: Realtek ALC888S HD Audio

On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 1x DisplayPort + HDMI
- Display Port Out: 1
- HDMI Out: 2

LAN

- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 2
- RAID

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

- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

M.2 Slot Specs

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

Rear IO

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

Headers

- USB 2.0 Ports (on Headers): 4
- Serial (via Headers): 2
- FAN Connectors: 3

Management Features

- AMT
- NMI

Environmental

- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 85%
- Low Humidity: 10%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Ent 2019 LTSC
- Windows 10 IoT 2021 LTSC Value
- Windows 10 IoT 2021 LTSC High End
- 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
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- CE
- FCC

Other Features

- Motherboard Warranty: 1 Year