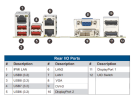
1U Rack Mount Server Rackmount

Configuration Number: BASE CONFIG
SL-1U-LLW480M-LV



(full size images available on web site)

TPM Support: 2.0 Module Included

Type:

- 1U Rack Mount Server
- Depth: 19.85"

Motherboard:

- Featuring Intel W480 Chipset and 10th Gen Intel Core i9, i7, i5, i3/Pentium/Celeron, Intel Xeon W-1200 processor
- **Long Production Cycle Motherboard (Through Q2 2030)**
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10 and NVMe 0,1
- **Video:** 1x VGA, 1x DVI-I, 1x DisplayPort
- **Audio:** Realtek ALC888S HD Audio
- **Ports:**
  6x USB 2.0 Ports (6 Internal Headers)
  4x USB 3.2 Gen 2 Ports (4 Rear)
  1x USB 3.2 Gen 2 Type-C Port (1 Internal Headers)
  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 RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 400W Redundant Power Supply Platinum with PMBUS

- **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: Q2 2030

Supported CPU
- Number of Processors: 1
- Processor Type: 10th Gen Intel Core i9, i7, i5, i3/Pentium/Celeron, Intel Xeon W-1200

Chipset
- Chipset: Intel W480 Chipset

Memory
- Memory Type: DDR4 2666MHz
- Memory Type: ECC Unbuffered
- DIMMS: 4
- Maximum Memory: 128GB

On Board Audio
- Audio Type: Realtek ALC888S HD Audio

On Board Video
- Video Chipset: ASPEED AST2500 BMC
- Video on IO: 1x VGA, 1x DVI-I, 1x DisplayPort
- VGA Port Out: 1
- DVI-D Out: 1
- Display Port 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): 4
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5,

Chassis Specifications:

General
- Form Factor: 1U Rackmount
- Color: Black & Silver
- Material: Steel & Plastic
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Redundant Power Supply Capable
- Slide Rails: Included

Expansion
- Full Height Slots: 1
- 3.5" Hot Swap Bays: 4

Front Ports
- USB 3.2 Ports (Front): 2

Cooling System
- Maximum Fan Count: 4
- Included Fans: 4

Physical
- Depth: 19.85"
- Depth (Inches): 19.85
- Width: 17.20"
- Height: 1.70"
- Shipping Box - Depth: 29.70"
- Shipping Box - Width: 23.40"
- Shipping Box - Height: 8.50"
- Shipping Weight: 34lbs

Compliance of Component
- UL
- CE
- FCC
- CB

Other Features
- Chassis Warranty: 1 Year

Power
- Built-in Chassis Power Supply: 400W Redundant Power Supply Platinum with PMBUS

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M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- PCIe Signal
- 22110 - 22 mm x 110 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

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

Headers

- USB 2.0 Ports (on Headers): 6
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Serial (via Headers): 2
- FAN Connectors: 5
- Audio on Headers
- Chassis Intrusion
- TPM Support: 2.0 Module Included

Management Features

- AMT
- vPRO
- Watch Dog

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)
- 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 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- Windows Server 2019 Std
- Windows Server 2022 STD
- RED HAT Enterprise LINUX SERVER BASIC
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Remote Server Management:

- Ubuntu Server Edition

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Other Features:

  PCIE:

  - 1 PCI-E 3.0 x16,
  - 1 PCI-E 3.0 x4 (in x8 slot),
  - 1 PCI-E 3.0 x4

  M.2

  - 1 M.2 M-Key SATA/PCI-E 3.0 x4, 2280/22110
  - 1 M.2 E-Key CNVi/PCI-E 3.0 x1, 2230

  Management Software

  - AMT, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support, SUM, SuperDoctor® 5, vPro, Watchdog

  * 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