2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-LLQ470M-WD

Type:

- 2U Rack Mount Industrial PC
- Depth: 18", Max Card Depth: 12.25", Locking Front Bezel

Motherboard:

- Featuring Intel Q470E Chipset and 10th Gen Core i7/i5/i3 (LGA1200) processor
- **Long Production Cycle Motherboard (Through Q2 2030)**
- **Low Profile Slots:**
  1 - PCIe x16
  1 - PCIe x8
  2 - PCIe x4
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** HDMI + DisplayPort + VGA + DVI-D
- **Audio:** 7.1 Channel HD Audio by Realtek ALC888S
- **Ports:**
  6x USB 2.0 Ports (2 Rear, 4 Internal Headers)
  2x USB 3.2 Gen 2 Ports (2 Rear)
  3x USB 3.2 Gen 2 Type-C Ports (2 Rear, 1 Internal Headers)
  4x COM Ports (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 0ºC (32ºF to 0ºF)

Configuration summary:

- **Processor:** G5905- 3.50GHz Intel Celeron CPU - Dual Core, 4MB Cache, UHD Graphics 610 (58W)
- **Memory:** 8GB DDR4 3200MHz RAM

- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 400W 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: Q2 2030

Supported CPU
- Number of Processors: 1
- Processor Type: 10th Gen Core i7/i5/i3 (LGA1200)

Chipset
- Chipset: Intel Q470E Chipset

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

On Board Audio
- Audio Type: 7.1 Channel HD Audio by Realtek ALC888S

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

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

Chassis Specifications:

General
- Form Factor: 2U Rackmount
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

Expansion
- Low Profile Slots: 7
- Max Card Depth: 12.25"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 2
- External 3.5" Bays: 1
- Internal 2.5" Bays: 1

Front Ports
- USB 3.2 Ports (Front): 2

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

Physical
- Depth: 18"
- Depth (Inches): 18
- Width: 16.90"
- Height: 3.50"
- Shipping Box - Depth: 20"
- Shipping Box - Width: 40"
- Shipping Box - Height: 40"
- Shipping Weight: 35lbs

Compliance of Component
- RoHS

Other Features
- Chassis Warranty: 1 Year

Drive Interface

- SATA III Ports (6GB): 6
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1
- PCI Express x8 Slots On Motherboard: 1
- PCI Express x4 Slots On Motherboard: 2

M.2 Slot Specs

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

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 2 Type A Ports (on IO): 2
- USB 3.2 Gen 2 Type C Ports (on I/O): 2
- SPDIF Connector: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 2 Type-C (on Headers): 1
- Serial (via Headers): 4
- FAN Connectors: 4
- Audio on Headers
- TPM Support: Via 2.0 Header

Management Features

- AMT
- vPRO
- Watch Dog

Environmental

- Operating Temperature: 0ºC to 0ºC (32ºF to 0ºF)

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)

Power

- Remote Server Management:

- 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 BASIC
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component
- CE
- FCC

Other Features
- Features:
  PCI-E

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

  M.2

  - M.2 Interface: 1 PCI-E 3.0 x4, RAID 0 & 1
  - Form Factor: 2242/2280
  - Key: M-Key

  * 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