

# 4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG

SL-4U-PD-Q170SSQ-WBD





# Type:

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

## Motherboard:

- Featuring Intel Q170 Chipset and 7th and 6th Gen Core i7/i5/i3 (LGA1151) processor
- Long Production Cycle Motherboard (Through Q4 2025)
- Full Height Slots:
  - 1 PCle x16
  - 2 PCle x4
  - 1 PCle x1
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- Video: 1x DVI-D, 1x HDMI, 2x DisplayPort
- Audio: 7.1 Channel HD Audio by Realtek
  - ALC888S
- Ports:

8x USB 2.0 Ports ( 4 Rear, 4 Internal

Headers )

4x USB 3.2 Gen 1 Ports ( 2 Front, 2 Rear ) 4x COM Ports (RS232 Internal Headers) 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: 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** General

# Motherboard Type: MicroATX

- Long Production Cycle
- EOL Date: Q4 2025

Long Life: YES

# **Supported CPU**

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

# Chipset

• Chipset: Intel Q170 Chipset

## Memory

- Memory Type: DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 4
- Maximum Memory: 64GB

# **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: 1x DVI-D, 1x HDMI, 2x DisplayPort
- 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

#### **Drive Interface**

• Form Factor: 4U Rackmount

- Front Changeable Air Filter
- Color: Black & Silver • Material: Metal/Steel

Chassis Specifications:

- 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

• SATA III Ports (6GB): 6

RAID

• RAID Type: Software RAID

• RAID Levels Supported on Motherboard: 0, 1, 5,

• Remote Server Management:

**Power** 

# **Expansion Slots**

• PCI Express x16 Slots On Motherboard: 1

• PCI Express x4 Slots On Motherboard: 2

• PCI Express x1 Slots On Motherboard: 1

### M.2 Slot Specs

• Total M.2 NVMe SSD Slots: 1

• M.2 Slot #1 Specs

• PCle Signal

• 2242 - 22 mm x 42 mm.

• 2260 - 22 mm x 60 mm.

• 2280 - 22 mm x 80 mm.

#### Rear IO

• PS/2 Combo (Mouse/Keyboard)

• USB 2.0 Ports (on IO): 4

• USB 3.2 Gen 1 Type A Ports (on IO): 2

• SPDIF Connector: 1

Audio on IO

#### **Headers**

• USB 2.0 Ports (on Headers): 4

• USB 3.2 Gen 1 Ports (on Headers): 2

• Serial (via Headers): 4

• FAN Connectors: 4

• Chassis Intrusion

• TPM Support: Via 2.0 Header

## **Management Features**

• Watch Dog

# **Environmental**

 Operating Temperature: 0°C to 60°C (32°F to 140°F)

• High Humidity: 85%

• Low Humidity: 10%

### **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

• OS-WIN 11 to 7 Emb Std E-32

• OS-WIN 11 to 7 Emb Std E-64

• 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
- Windows Server 2012
- Windows Server 2016 STD
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

# **Compliance of Component**

- UL
- CE
- RoHS
- FCC

#### **Other Features**

- Other Features:
  - 1 PCI-E 3.0 x16 (in x16) Slot
  - 2 PCI-E 3.0 x4 (in x4) Slot
  - 1 PCI-E 3.0 x1 (in x1) Slot
  - M.2 PCI-E x2 M Key 2242/2260/2280, PCI-E 3.0 x4 with open slots
  - \* 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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