

## 4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-4U-PD-Q170SSQ-WBD



(Not all images available on web site)

### 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 - PCIe x16
  - 2 - PCIe x4
  - 1 - PCIe 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:** 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: Q4 2025

#### 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

- SATA III Ports (6GB): 6

### 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

- 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 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
- PCIe 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
- 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)

#### **Power**

- Remote Server Management:

- 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



www.superlogics.com  
Phone: 1-508-650-9500

sales@superlogics.com  
Fax: 1-508-650-9525