

## 4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-4U-SBC-Q170-HA



(Full size images available on web site)

### Type:

- 4U Rack Mount Industrial PC
- Depth: 17.70", Max Card Depth: 12.28", Locking Front Bezel

### Motherboard:

- Featuring Intel Q170 Chipset and 6th Gen Core i7/i5/i3 (LGA1151, 'Skylake') processor
- **Long Production Cycle Motherboard (Through Q3 2027)**
- **Full Height Slots:**
  - 1 - PCIe x16
  - 3 - PCIe x1
  - 8 - PCI
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** DVI-I
- **Audio:** Onboard Audio
- **Ports:**
  - 10x USB 2.0 Ports ( 2 Front, 8 Internal Headers )
  - 2x USB 3.2 Gen 1 Ports ( 2 Rear )
  - 6x COM Ports (5 RS232 Internal Headers, 1 RS232/422/485 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:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue

- **Power Supply:** 400W Power Supply
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: Single Board Computer (SBC)
- Long Production Cycle
- Long Life: YES
- EOL Date: Q3 2027
- PICMG: 1.3

### Supported CPU

- Number of Processors: 1
- Processor Type: 6th Gen Core i7/i5/i3 (LGA1151, 'Skylake')

### Chipset

- Chipset: Intel Q170 Chipset

### Memory

- Memory Type: DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

### On Board Audio

- Audio Type: Onboard Audio

### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: DVI-I
- DVI-I Out: 1

### LAN

- LAN Ports: 2
- LAN Type: 1GbE + 1GbE
- LAN Chipset: Intel i211AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA III Ports (6GB): 6
- RAID
- RAID Type: Software RAID

## Chassis Specifications:

### General

- Form Factor: 4U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: 14-Slot SBC
- Redundant Power Supply Capable
- Slide Rails: Optional

### Expansion

- Full Height Slots: 14
- Max Card Depth: 12.28"
- External 5.25" Bays: 3
- Internal 3.5" Bays: 2
- External 3.5" Bays: 1

### Front Ports

- USB 2.0 Ports (Front): 2

### Cooling System

- Maximum Fan Count: 2
- Included Fans: 1

### Physical

- Depth: 17.70"
- Depth (Inches): 17.7
- Width: 19"
- Height: 7"
- Shipping Box - Depth: 26"
- Shipping Box - Width: 23"
- Shipping Box - Height: 12"
- Shipping Weight: 45lbs

### Other Features

- Chassis Warranty: 1 Year

- RAID Levels Supported on Motherboard: 0, 1, 5, 10

### **M.2 Slot Specs**

#### **Rear IO**

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

#### **Headers**

- USB 2.0 Ports (on Headers): 10
- Serial (via Headers): 5
- Serial 232/422/485 Ports: 1
- FAN Connectors: 2
- PS/2 Combo (Mouse/Keyboard) on Headers

#### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 95%
- 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)
- Windows Embedded 7 (64-Bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (32-bit)
- Windows 8.1 Pro (64-bit)
- Windows Embedded 8 (32-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
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop

- LINUX Ubuntu Workstation
- Ubuntu Server Edition

**Compliance of Component**

- CE

**Other Features**

- Motherboard Warranty: 1 Year



Simplifying Computing™

[www.superlogics.com](http://www.superlogics.com)  
Phone: 1-508-650-9500

[sales@superlogics.com](mailto:sales@superlogics.com)  
Fax: 1-508-650-9525