

## 2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-2U-SBC-Q87-BD



### Type:

2U Rack Mount Industrial PC  
Depth: 17.72", Max Card Depth: 9.5"

### Motherboard:

Featuring Intel Q87 Chipset and 4th Gen Core i3/i5/i7 (LGA1150, 'Haswell') processor

**Long Production Cycle Motherboard (Through Q2 2020)**

**Full Height Slots:**

1 - PCIe x16

3 - PCI

**LAN:** 2x GB (10/100/1000)

**RAID:** 0,1,5

**Video:** VGA

**Audio:** 2-channel HD Audio by Realtek ALC262

**Ports:**

10x USB 2.0 Ports ( 2 Front 8 via internal headers )

4x USB 3.0 Ports ( 2 Rear , 2 via internal headers )

5x COM Ports (4 on Headers, 1 RS232/422/485 on Headers)

1x Parallel Port (Headers)

See specifications for more ports

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

### Also Included:

**Processor:** G1820 - 2.7GHz Intel Dual Core Celeron CPU - 2MB Cache, HD Graphics (53W) (ERM) [Upgradeable]

**Memory:** 4GB DDR3 1600MHz RAM [Upgradeable]

**Hard Drive:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue [Upgradeable]

**Power Supply:** 400W Power Supply

[Upgradeable]

**Operating System:** Not Included -

**Warranty:** One-Year Depot Warranty

[Upgradeable]

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: Single Board Computer (SBC)
- Long Production Cycle
- Long Life: YES
- EOL Date: Q2 2020
- PICMG: 1.3

### Supported CPU

- Number of Processors: 1
- Processor Type: 4th Gen Core i3/i5/i7 (LGA1150, 'Haswell')

### Chipset

- Chipset: Intel Q87 Chipset

### Memory

- Memory Type: DDR3 1600MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 16GB

### On Board Audio

- Audio Type: 2-channel HD Audio by Realtek ALC262

### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: VGA
- VGA Port Out: 1
- DVI-D Out: 1

### LAN

- LAN Ports: 2
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i217LM
- Second LAN Chipset: Intel i210AT
- Wireless LAN: No Integrated WLAN

### Drive Interface

## Chassis Specifications:

### General

- Form Factor: 2U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: 6-Slot SBC
- Slide Rails: Optional

### Expansion

- Full Height Slots: 6
- Max Card Depth: 9.5"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 1
- External 3.5" Bays: 1
- Slim CDBay: 1

### Front Ports

- USB 2.0 Port (Front): 2

### Cooling System

- Maximum Fan Count: 2
- Included Fans: 2

### Physical

- Depth: 450mm
- Depth (Inches): 17.7
- Width: 481mm
- Height: 88mm
- Shipping Box - Depth: 23"
- Shipping Box - Width: 23"
- Shipping Box - Height: 12"
- Shipping Weight: 27lbs

### Compliance of Component

- UL
- CE
- RoHS
- FCC

### Other Features

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

#### **mini PCIe**

#### **Rear IO**

- USB 3.0 Ports (on IO): 2

#### **Headers**

- USB 2.0 Ports (on Headers): 10
- USB 3.0 Ports (on Headers): 2
- Serial (via Headers): 4
- Serial 232/422/485 Ports: 1
- Parallel Ports: 1
- FAN Connectors: 2
- Digital I/O (8 Bit) On Headers
- PS/2 Combo (Mouse/Keyboard) on Headers

#### **Management Features**

- Watch Dog

#### **Environmental**

- 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
- 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)
- Windows 10 IoT Value
- Windows 10 IoT Ent
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- 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

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