

## 2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-2U-Q87SLQ-WD



### Type:

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

### Motherboard:

- Featuring Intel Q87 Chipset and 4th Gen Core i3/i5/i7 (LGA1150, 'Haswell') processor
- **Long Production Cycle Motherboard (Through Q4 2022)**
- **Low Profile Slots:**
  - 1 - PCIe x16
  - 1 - PCIe x4
  - 1 - PCIe x1
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x HDMI, 1x DisplayPort, 1x VGA, 1x DVI-D
- **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 (3 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:** G1820 - 2.7GHz Intel Dual Core Celeron CPU - 2MB Cache, HD Graphics (53W) (ERM)
- **Memory:** 4GB DDR3 1600MHz RAM

- **Hard Drive:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue
- **Power Supply:** 400W ATX Power Supply - Auto-Switching, 80+ Bronze
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

## Technical Specifications

### MotherBoard Specifications:

#### Motherboard Model

- Motherboard Type: MicroATX
- Long Life: YES
- EOL Date: Q4 2022

#### 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: 4
- Maximum Memory: 32GB

#### On Board Audio

- Audio Type: 7.1 Channel HD Audio by Realtek ALC888S

#### On Board Video

- Video Chipset: Intel HD Graphics 4600
- Video on IO: 1x HDMI, 1x DisplayPort, 1x VGA, 1x 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 i217LM
- Second LAN Chipset: Intel i210AT
- 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): 5
- 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: 1
- PCI Express x1 Slots On Motherboard: 1

### **Mini PCIe**

- mini PCIe
- mSATA
- half and/or full size mini PCIe card: full/half size
- mSATA

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

#### **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
- Audio on IO

#### **Headers**

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 3
- Serial 232/422/485 Ports: 1
- FAN Connectors: 4
- Audio on Headers
- DOM
- PS/2 Combo (Mouse/Keyboard) on Headers
- Chassis Intrusion
- TPM Support: Via 1.2 Header

#### **Management Features**

- AMT
- vPRO
- NMI
- Watch Dog

#### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 90%
- Low Humidity: 5%

#### **Operating System Support**

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-bit)

### **Power**

- Remote Server Management:

- 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
- LINUX Ubuntu Desktop

#### **Compliance of Component**

- RoHS

#### **Other Features**

- Other Features:
  - 1x PCI-E 3.0 x16 (in x16) slot
  - 1x PCI-E 2.0 x4 slot
  - 1x PCI-E 2.0 x1 slot
  - 1x Mini-PCI-E w/ mSATA support

\* 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