

# 1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-1U-Q87SLQ-LA



## Type:

1U Rack Mount Industrial PC  
Depth: 14", Max Card Depth: 8"

## Motherboard:

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

**Long Production Cycle Motherboard (Through Q3 2020)**

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

**RAID:** 0,1

**Video:** HDMI + DisplayPort + VGA + DVI-D

**Audio:** 7.1 Channel HD Audio by Realtek ALC888S

### Ports:

8x USB 2.0 Ports ( 4 Rear, 4 via internal headers )

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

4x COM Ports (3 on Headers, 1 RS232/422/485 on Headers)

See specifications for more ports

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



Full size images available on web site

## 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]

**Operating System:** Not Included -

**Warranty:** One-Year Depot Warranty [Upgradeable]

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: MicroATX
- Long Production Cycle
- Long Life: YES
- EOL Date: Q3 2020

### 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: HDMI + DisplayPort + VGA + DVI-D
- VGA Port Out: 1
- DVI-D Out: 1
- Display Port Out: 1
- HDMI 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

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

## Chassis Specifications:

### General

- Form Factor: 1U Rackmount
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

### Expansion

- Full Height Slots: 1
- Max Card Depth: 8"
- Internal 3.5" Bays: 2

### Cooling System

- Maximum Fan Count: 1
- Included Fans: 1

### Physical

- Depth: 14"
- Depth (Inches): 14
- Width: 16.80"
- Height: 1.75"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 21"
- Shipping Box - Height: 7"
- Shipping Weight: 13lbs

### Other Features

- Chassis Warranty: 1 Year

### Power

- Built-in Chassis Power Supply: 200W ATX12V Power Supply

**mini PCIe**

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

**Rear IO**

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 4
- USB 3.0 Ports (on IO): 2
- Audio on IO

**Headers**

- USB 2.0 Ports (on Headers): 4
- USB 3.0 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**

- High Humidity: 90%
- Low Humidity: 5%

**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
- 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



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

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