

1U Rack Mount Industrial PC Rackmount

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



Chassis Supports 1x 3.5" HDD or 2x 2.5" HDD/SSD

Type:

- 1U Rack Mount Industrial PC
- Depth: 14", Max Card Depth: 12.28"

Motherboard:

- Featuring Intel Q87 Chipset and 4th Gen Core i3/i5/i7 (LGA1150, 'Haswell') processor
- **Long Production Cycle Motherboard (Through Q4 2022)**
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1
- **Video:** HDMI + DisplayPort + VGA + DVI-D
- **Audio:** 7.1 Channel HD Audio by Realtek ALC888S
- **Ports:**
 - 8x USB 2.0 Ports (2 Front, 4 Rear, 2 Internal Headers)
 - 4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
 - 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:** Built-in 200W Power Supply
- **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: 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: 1GbE + 1GbE
- LAN Chipset: Intel i217LM
- Second LAN Chipset: Intel i210AT
- Wireless LAN: No Integrated WLAN

Drive Interface

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: 12.28"
- Internal 3.5" Bays: 1

Front Ports

- USB 2.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 1
- Included Fans: 1

Physical

- Depth: 14"
- Depth (Inches): 14
- Width: 16.80"
- Height: 1.70"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 21"
- Shipping Box - Height: 7"
- Shipping Weight: 20lbs

Compliance of Component

- UL
- CE
- FCC

Other Features

- Chassis Warranty: 1 Year

Power

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

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)
- 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

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

- 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



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