3U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-3U-PD-Q170SSQ-GK





(full size images available on web site)

Type:

- 3U Rack Mount Industrial PC
- Depth: 15.35", Max Card Depth: 8.5"

Motherboard:

- Featuring Intel Q170 Chipset and 7th and 6th Gen Core i7/i5/i3 Processors, LGA1151 processor
- **Full Height Slots:**
  1 - PCIe x16
  2 - PCIe x4
  1 - PCIe x1
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1,5,10
- **Video:** 1x DVI-D, 1x HDMI, 2x DisplayPort
- **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 (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

Configuration summary:

- **Processor:** G4400 - 3.3GHz Intel Pentium Dual Core - 3MB Cache, HD Graphics 510 (54W) (ERM) or Better
- **Memory:** 8GB DDR4 3200MHz RAM
- **Hard Drive:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue
- **Power Supply:** 550W Fully Modular ATX Power Supply - 80+ Bronze

- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MicroATX

Supported CPU
- Number of Processors: 1
- Processor Type: 7th and 6th Gen Core i7/i5/i3 Processors, LGA1151

Chipset
- Chipset: Intel Q170 Chipset

Memory
- Memory Type: DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 4
- Maximum Memory: 64GB

On Board Audio
- Audio Type: 7.1 Channel HD Audio by Realtek ALC888S

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 1x DVI-D, 1x HDMI, 2x DisplayPort
- DVI-D Out: 1
- Display Port Out: 1
- HDMI Out: 1

LAN
- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

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

Chassis Specifications:

General
- Form Factor: 3U Rackmount
- Color: Black
- Material: Metal/Aluminum
- Material Thickness: 1mm
- Motherboard Compatibility: Micro ATX
- Slide Rails: Optional

Expansion
- Full Height Slots: 4
- Max Card Depth: 8.5"
- External 5.25" Bays: 2
- Internal 3.5" Bays: 4
- External 3.5" Bays: 1
- Internal 2.5" Bays: 2

Front Ports
- USB 2.0 Ports (Front): 2

Cooling System
- Maximum Fan Count: 4
- Included Fans: 2

Physical
- Depth: 15.35"
- Depth (Inches): 15.35
- Width: 19.10"
- Height: 5.25"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 21"
- Shipping Box - Height: 9"
- Shipping Weight: 35lbs

Other Features
- Chassis Warranty: 1 Year

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1
- PCI Express x4 Slots On Motherboard: 2
- PCI Express x1 Slots On Motherboard: 1

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- PCIe Signal
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

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
- SPDIF Connector: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 4
- FAN Connectors: 4
- Chassis Intrusion
- TPM Support: Via 2.0 Header

Management Features

- Watch Dog

Environmental

- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 85%
- 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
- OS-WIN 11 to 7 Emb Std E-32
- OS-WIN 11 to 7 Emb Std E-64
- 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 (64-bit)

- Windows 8.1 Pro (64-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
- Windows Server 2016 STD
- Windows Server 2019 Std
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- UL
- CE
- RoHS
- FCC

Other Features

- Other Features:
    - 1 PCI-E 3.0 x16 (in x16) Slot
    - 2 PCI-E 3.0 x4 (in x4) Slot
    - 1 PCI-E 3.0 x1 (in x1) Slot
    - M.2 PCI-E x2 M Key 2242/2260/2280, PCI-E 3.0 x4 with open slots

  * 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