

4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-4U-AZ690A-HA



Type:

- 4U Rack Mount Industrial PC
- Depth: 17.70", Max Card Depth: 12.28", Locking Front Bezel

Motherboard:

- Featuring Intel Z690 Chipset and 12th Gen Core i7/i5/i3 (LGA1700) processor
- **Full Height Slots:**
 - 2 - PCIe x16
 - 1 - PCIe x4
 - 2 - PCIe x1
- **LAN:** 1x Ports (2.5GbE (10/100/1000/2500))
- **WiFi:** Intel AX200 Wi-Fi 6 (802.11ax) + BT 5.2
- **RAID:** 0,1,5,10
- **Video:** DisplayPort + HDMI
- **Audio:** 7.1 HD Audio
- **Ports:**
 - 4x USB 2.0 Ports (2 Front, 2 Internal Headers)
 - 6x USB 3.2 Gen 1 Ports (4 Rear, 2 Internal Headers)
 - 3x USB 3.2 Gen 2 Ports (2 Rear, 1 Internal Headers)
 - 1x USB 3.2 Gen 1 Type-C Port (Rear)
 - 1x USB 3.2 Gen 2 Type-C Port (1 Rear)
 - 1x COM Port (RS232 Internal Headers)
 - See specifications for more ports
- **Operating Temperature:** 5°C to 50°C (41°F to 122°F)

Configuration summary:

- **Processor:** i3-12100 - 3.30GHz (up to 4.30GHz) Intel Core CPU - 4 Core, 12MB

Cache, UHD Graphics 730 (Base 60W, Max 89W) (ERM)

- **Memory:** 8GB DDR4 3200MHz OC RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 400W Power Supply
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: ATX

Supported CPU

- Number of Processors: 1
- Processor Type: 12th Gen Core i7/i5/i3 (LGA1700)

Chipset

- Chipset: Intel Z690 Chipset

Memory

- Memory Type: DDR4 3200MHz
- Memory Type: Non-ECC
- DIMMS: 4
- Maximum Memory: 128GB

On Board Audio

- Audio Type: 7.1 HD Audio

On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: DisplayPort + HDMI
- Display Port Out: 1
- HDMI Out: 1

LAN

- LAN Ports: 1
- LAN Type: 2.5GbE (10/100/1000/2500)
- LAN Chipset: Intel 2.5Gb Ethernet
- Wireless LAN: Intel AX200 Wi-Fi 6 (802.11ax) + BT 5.2

Drive Interface

- SATA III Ports (6GB): 4
- RAID

Chassis Specifications:

General

- Form Factor: 4U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Redundant Power Supply Capable
- Slide Rails: Optional

Expansion

- Full Height Slots: 7
- Max Card Depth: 12.28"
- External 5.25" Bays: 3
- Internal 3.5" Bays: 2
- External 3.5" Bays: 1

Front Ports

- USB 2.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 2
- Included Fans: 1

Physical

- Depth: 17.70"
- Depth (Inches): 17.7
- Width: 19"
- Height: 7"
- Shipping Box - Depth: 26"
- Shipping Box - Width: 23"
- Shipping Box - Height: 12"
- Shipping Weight: 45lbs

Other Features

- Chassis Warranty: 1 Year

- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

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

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 4
- M.2 Slot #1 Specs
 - PCIe Signal
 - 22110 - 22 mm x 110 mm.
 - 2242 - 22 mm x 42 mm.
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
 - M.2 SATA SSD
 - PCIe Signal
 - 2242 - 22 mm x 42 mm.
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.
- M.2 Slot #3 Specs
 - PCIe Signal
 - 22110 - 22 mm x 110 mm.
 - 2242 - 22 mm x 42 mm.
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.
- M.2 Slot #4 Specs
 - PCIe Signal

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 4
- USB 3.2 Gen 2 Type A Ports (on IO): 2
- USB 3.2 Gen 1 Type C Ports (on I/O): 1
- USB 3.2 Gen 2 Type C Ports (on I/O): 1
- SPDIF Connector: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Ports (on Headers): 1
- Thunderbolt 3 via Header: 1
- Serial (via Headers): 1
- FAN Connectors: 7
- Audio on Headers

Environmental

- Operating Temperature: 5°C to 50°C (41°F to 122°F)

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

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- 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 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- LINUX Ubuntu Desktop

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Features:

Note:

Expansion Slots:

Intel 12th Gen Processors

- 1x PCIe 5.0 x16 slot

Intel Z690 Chipset

- 1x PCIe 3.0 x16 slot (supports x4 mode)
- 1x PCIe 3.0 x 4 slot
- 2x PCIe 3.0 x1 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



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