

4U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG

SL-4U-GZ890AE-SA





Type:

- 4U Rack Mount Industrial PC
- Depth: 18.43", Max Card Depth: Length w/o expansion card retainer: 426mm, Length w/ expansion card retainer: 337mm", Locking Front Bezel

Motherboard:

- Featuring Intel Z890 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- Full Height Slots:
 - 3 PCle x16
- LAN: 1x Ports (2.5GbE (10/100/1000/2500))
- **WiFi:** Wi-Fi 7 + BT 5.4
- **RAID:** 0,1,5,10 and NVMe 0,1,5,10
- Video: 1x HDMI, 1x DisplayPort, 1x Intel Thunderbolt™ 4
- Audio: Realtek ALC1200 Audio Codec
- Ports:

7x USB 2.0 Ports (3 Rear, 4 Internal Headers)

5x USB 3.2 Gen 1 Ports (2 Front, 3 Rear)

2x USB 3.2 Gen 2 Ports (2 Rear)

1x USB 3.2 Gen 2 Type-C Port (1 Internal Headers)

1x Thunderbolt™ 4 (supports USB 4.0) Type-C Port (Rear)

See specifications for more ports

• Operating Temperature: 5°C to 35°C (41°F to 95°F)

Configuration summary:

Processor: Intel Core™ Ultra 5 Processor
 225 Processor - 10 Cores (6P + 4E), 20MB

Intel Smart Cache, 121W (PL2)

 Memory: 2 x 8GB DDR5 4800MHz RAM Non-ECC Unbuffered DIMM

 Hard Drive: 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s

• **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: ATX

Supported CPU

• Number of Processors: 1

 Processor Type: Intel Core™ Ultra Processors (Series 2), LGA1851

Chipset

• Chipset: Intel Z890 Chipset

Memory

• Memory Type: DDR5 4800MHz

Memory Type: Non-ECC

• DIMMS: 4

Maximum Memory: 256GB

On Board Audio

• Audio Type: Realtek ALC1200 Audio Codec

On Board Video

 Video Chipset: Supported by CPU - depends on CPU selected

 Video on IO: 1x HDMI, 1x DisplayPort, 1x Intel Thunderbolt™ 4

• Display Port Out: 1

HDMI Out: 1

Thunderbolt[™] video outputs: 1

ΙΔΝ

• LAN Ports: 1

LAN Type: 2.5GbE (10/100/1000/2500)
LAN Chipset: Realtek 2.5GbE LAN
Wireless LAN: Wi-Fi 7 + BT 5.4

Chassis Specifications:

General

• Form Factor: 4U Rackmount

Color: Black

Material: Metal/SteelMaterial Thickness: 1mm

Motherboard Compatibility: SSI EEBRedundant Power Supply Capable

• Slide Rails: Optional

Expansion

• Full Height Slots: 7

 Max Card Depth: Length w/o expansion card retainer: 426mm, Length w/ expansion card retainer: 337mm"

External 5.25" Bays: 2Internal 2.5" Bays: 1

Front Ports

• USB 3.2 Ports (Front): 2

• USB Type-C (Front): 1

• Front Audio Ports: 1

Cooling System

• Maximum Fan Count: 4

• Included Fans: 2

Physical

• Depth: 18.43"

• Width: 16.93"

• Height: 6.93"

• Shipping Box - Depth:

• Shipping Box - Width:

• Shipping Box - Height:

Shipping Weight: 25lbs

Drive Interface

- SATA III Ports (6GB): 4
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

• PCI Express x16 Slots On Motherboard: 3

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 4
- M.2 Slot #1 Specs
- 2280 22 mm x 80 mm.
- 22110 22 mm x 110 mm.
- M.2 Slot #2 Specs
- 2280 22 mm x 80 mm.
- 22110 22 mm x 110 mm.
- M.2 Slot #3 Specs
- 2280 22 mm x 80 mm.
- 22110 22 mm x 110 mm.
- M.2 Slot #4 Specs
- 2280 22 mm x 80 mm.
- 22110 22 mm x 110 mm.

Rear IO

- USB 2.0 Ports (on IO): 3
- USB 3.2 Gen 1 Type A Ports (on IO): 3
- USB 3.2 Gen 2 Type A Ports (on IO): 2
- Thunderbolt™ 4 (supports USB 4.0) Type-C Port: 1

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- FAN Connectors: 6
- Audio on Headers
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 5°C to 35°C (41°F to 95°F
- High Humidity: 95%
- Low Humidity: 5%

Operating System Support

- Windows 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End

Compliance of Component

Other Features

• Features:

Expansion card

- Length w/ expansion card retainer: 337mm
- Length w/o expansion card retainer: 426mm

Width w/ GPU holder: 116mmWidth w/o GPU holder: 154mm

Limitation of CPU cooler

w/ GPU holder: 130mmw/o GPU holder: 148mm

• Chassis Warranty: 1 Year

- CE
- RoHS
- FCC

Other Features

• Features:

Expansion Slots

CPU:

- 1 x PCI Express x16 slot, supporting PCIe 5.0 and running at x16 (PCIEX16)
- * The PCIEX16 slot can only support a graphics card or an NVMe SSD. If only one graphics card is to be installed, be sure to install it in the PCIEX16 slot.

Chipset:

- 2 x PCI Express x16 slots, supporting PCIe 4.0 and running at x4 (PCIEX4 1, PCIEX4 2)

Graphics

ntegrated Graphics Processor-Intel HD Graphics support:

- 1 x Intel Thunderbolt™ 4 connector (USB4 USB Type-C port), supporting DisplayPort and Thunderbolt™ video outputs
 When a Thunderbolt™ monitor is installed, the maximum resolution supported is 5120x2880@60
 Hz with 24 bpp (single display output).
 When a USB4 USB Type-C monitor is installed, the maximum resolution supported is 3840x2160@240 Hz (single display output).
- * Because of the limited I/O resources of the PC architecture, the number of Thunderbolt™ devices that can be used is dependent on the number of the PCI Express devices being installed. (Refer to Chapter 2-6, "Back Panel Connectors," for more information.)

 * Support for DisplayPort 2.1 version and HDCR.
- * Support for DisplayPort 2.1 version and HDCP 2.3
- 1 x front HDMI port, supporting a maximum resolution of 1920x1080@30 Hz
- * Support for HDMI 1.4 version
- 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz

* Support for DisplayPort 2.1 version and HDCP 2.3

(Graphics specifications may vary depending on CPU support.)

Support for up to triple-display at the same time

Storeage

CPU:

- 1 x M.2 connector (Socket 3, M key, type 25110/22110/2580/2280 PCIe 5.0 x4/x2 SSD support) (M2A CPU)
- 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2B CPU)

Chipset:

- 1 x M.2 connector (Socket 3, M key, type 25110/22110/2580/2280 PCIe 4.0 x4/x2 SSD support) (M2Q SB)
- 1 x M.2 connector (Socket 3, M key, type
 22110/2280 SATA and PCle 4.0 x4 SSD support)
 (M2M SB)
- 4 x SATA 6Gb/s connectors
 RAID 0, RAID 1, RAID 5, and RAID 10 support for
 NVMe SSD storage devices
 RAID 0, RAID 1, RAID 5, and RAID 10 support for
 SATA storage devices
- * 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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