

# 5U Rack Mount Workstation Rackmount

Configuration Number: BASE CONFIG

SL-5U-GZ890AE-SA





# Type:

- 5U Rack Mount Workstation
- Depth: 20.87", Max Card Depth: Length: 455mm (without installing front fans and radiators)"

# 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: 850W ATX12V / EPS12V
   Full Modular Power Supply 80+ Gold
   Certified
- 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: 5U Rackmount
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: SSI EEB
- Redundant Power Supply Capable
- Slide Rails: Optional

#### **Expansion**

- Full Height Slots: 8
- Max Card Depth: Length: 455mm (without installing front fans and radiators)"
- Internal 3.5" Bays: 4
- Internal 2.5" Bays: 4

## **Front Ports**

- USB 3.2 Ports (Front): 2
- USB Type-C (Front): 1

## **Cooling System**

- Maximum Fan Count: 6
- Included Fans: 3

# **Physical**

- Depth: 20.87"
- Width: 17.30"
- Height: 8.66"
- Shipping Weight: 71lbs

### **Other Features**

- Features:
  - Expansion card Length: 455mm (without

installing front fans and

	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	radiators) Width w/ ex retainer: 15 Width w/o e card retaine Limitation o CPU cooler	7mm xpans r: 198 fHeigh expan card retain 181m	ion Imm nt w/ nsion ner: nm
	<ul> <li>2280 - 22 mm x 80 mm.</li> <li>22110 - 22 mm x 110 mm.</li> <li>M.2 Slot #2 Specs</li> <li>2280 - 22 mm x 80 mm.</li> <li>22110 - 22 mm x 110 mm.</li> <li>M.2 Slot #3 Specs</li> <li>2280 - 22 mm x 80 mm.</li> <li>22110 - 22 mm x 110 mm.</li> <li>M.2 Slot #4 Specs</li> <li>2280 - 22 mm x 80 mm.</li> <li>22110 - 22 mm x 80 mm.</li> <li>22110 - 22 mm x 110 mm.</li> <li>Rear IO</li> <li>USB 2.0 Ports (on IO): 3</li> <li>USB 3.2 Gen 1 Type A Ports (on IO): 2</li> </ul>		retair 192m	
,	<ul> <li>Thunderbolt™ 4 (supports USB 4.0) Type-C Port: 1</li> <li>Headers</li> <li>USB 2.0 Ports (on Headers): 4</li> <li>USB 3.2 Gen 1 Ports (on Headers): 2</li> <li>USB 3.2 Gen 2 Type-C (on Headers): 1</li> <li>FAN Connectors: 6</li> <li>Audio on Headers</li> <li>TPM Support: Via 2.0 Header</li> </ul>			limita tion) Dime nsion Incl. rear fan cage: 440m
	Environmental  Operating Temperature: 5°C to 35°C (41°F to 95°F)  High Humidity: 95%  Low Humidity: 5%			m (W) x 220m m (H) x 530m
,	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			m (D), 51.3 liters Excl. rear
	,			

 CE cage: RoHS 440m FCC m (W) x **Other Features** 220m • Features: m (H) **Expansion Slots** Х CPU: 485m - 1 x PCI Express x16 slot, supporting PCIe 5.0 and m running at x16 (PCIEX16) (D), 46.95 \* The PCIEX16 slot can only support a graphics liters card or an NVMe SSD. If only one graphics card is Incl. to be installed, be sure to install it in the PCIEX16 rear slot. fan cage: Chipset: 17.3" - 2 x PCI Express x16 slots, supporting PCIe 4.0 (W), and running at x4 (PCIEX4 1, PCIEX4 2) 8.66" (H), Graphics 20.87 ntegrated Graphics Processor-Intel HD Graphics " (D) Excl. support: - 1 x Intel Thunderbolt™ 4 connector (USB4 USB rear Type-C port), supporting DisplayPort and fan Thunderbolt™ video outputs cage: When a Thunderbolt™ monitor is installed, the 17.3" maximum resolution supported is 5120x2880@60 (W), Hz with 24 bpp (single display output). 8.66" When a USB4 USB Type-C monitor is installed, the (H), maximum resolution supported is 19.1" 3840x2160@240 Hz (single display output). (D)

• Chassis Warranty: 1 Year

- 1 x front HDMI port, supporting a maximum resolution of 1920x1080@30 Hz

\* Support for DisplayPort 2.1 version and HDCP

\* 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

\* Support for HDMI 1.4 version

2.3

Connectors," for more information.)

- 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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