# Desktop PC Desktop

Configuration Number: BASE CONFIG
SL-DK-GZ890A-FP

## Type:

- Desktop PC
- Dimension: 18.64" x 8.46" x 17.87"

## Motherboard:

- Featuring Intel Z890 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- **Full Height Slots:** 3 - PCIe 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:** HDMI + DisplayPort + 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)
  1x Front Audio Port
  See specifications for more ports
- **Operating Temperature:** 5ºC to 35ºC (41ºF to 95ºF)

## Configuration summary:

- **Processor:** Intel Core™ Ultra 5 Processor 245K Processor - 14 Cores (6P + 8E), 24MB Intel Smart Cache, 159W (PL2)
- **Memory:** 2 x 8GB DDR5 4800MHz RAM

Non-ECC Unbuffered DIMM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 600W Power Supply 80+ PLUS 120mm w/ C13 cord
- **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: HDMI + DisplayPort + Intel Thunderbolt™ 4
- Display Port Out: 1
- HDMI Out: 1
- Thunderbolt™ video outputs: 1

**LAN**
- 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

**Drive Interface**
- SATA III Ports (6GB): 4

## Chassis Specifications:

**General**
- Form Factor: Desktop PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX

**Expansion**
- Full Height Slots: 7
- Max Card Depth: 405 mm"
- Internal 3.5" Bays: 2
- Internal 2.5" Bays: 2

**Front Ports**
- USB 3.2 Ports (Front): 2
- Front Audio Ports: 1

**Cooling System**
- Maximum Fan Count: 5

**Physical**
- Depth: 18.64"
- Width: 8.46"
- Height: 17.87"
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight: 15lbs

**Other Features**
- Chassis Warranty: 1 Year

- 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: 5ºC to 35ºC (41ºF to 95ºF )
- 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**
- 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 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 PCIe 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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