

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-B860A-S15



(Full size images available on web site)

Type:

- Microbox PC
- Dimension: 9.45" x 10.35" x 3.74"

Motherboard:

- Featuring Intel B860 Chipset and Intel Core™ Ultra Processors (Series 2), LGA1851 processor
- **Full Height Slots:**
1 - PCIe x16
- **LAN:** 1x Ports (2.5GbE (10/100/1000/2500))
- **WiFi:** Wi-Fi 7 + BT 5.4
- **Video:** 1x HDMI, 1x DisplayPort, 1x Intel Thunderbolt™ 4
- **Audio:** Realtek ALC1220P Surround Sound High Definition Audio CODEC
- **Ports:**
4x USB 2.0 Ports (2 Front, 2 Rear)
5x USB 3.2 Gen 1 Ports (3 Rear, 2 Internal Headers)
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:** 10°C to 35°C (50°F to 95°F)

Configuration summary:

- **Processor:** Intel Core™ Ultra 5 Processor 245K Processor - 14 Cores (6P + 8E), 24MB Intel Smart Cache, 159W (PL2)
- **Memory:** 16GB DDR5 5600MHz RAM Non-ECC Unbuffered DIMM
- **Hard Drive:** 1TB PCIe 5.0 NVMe SSD M.2

Read/write speeds up to
11,000/9,500MB/s

- **Power Supply:** 400W 1U FLEX ATX Power Supply - 80+ Gold Efficient
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: MiniITX

Supported CPU

- Number of Processors: 1
- Processor Type: Intel Core™ Ultra Processors (Series 2), LGA1851

Chipset

- Chipset: Intel B860 Chipset

Memory

- Memory Type: DDR5 4800MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 128GB

On Board Audio

- Audio Type: Realtek ALC1220P Surround Sound High Definition 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

LAN

- LAN Ports: 1
- LAN Type: 2.5GbE (10/100/1000/2500)
- LAN Chipset: Intel 2.5Gb Ethernet
- Wireless LAN: Wi-Fi 7 + BT 5.4

Drive Interface

- SATA III Ports (6GB): 4

Chassis Specifications:

General

- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX

Expansion

- Full Height Slots: 1
- Low Profile Slots: 2

Front Ports

- USB 2.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 2
- Included Fans: 2

Physical

- Depth: 9.45"
- Depth (Inches): 9.45
- Width: 10.35"
- Height: 3.74"
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight:

Other Features

- Chassis Warranty: 1 Year

Power

- Remote Server Management:

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

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
 - 2242 - 22 mm x 42 mm.
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.
- None

Rear IO

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

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- USB 3.2 Gen 2 Type-C (on Headers): 1
- FAN Connectors: 3
- Audio on Headers
- TPM Support: TPM via Intel Platform Trust Technology

Environmental

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- High Humidity: 95%
- Low Humidity: 10%

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 High End

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Features:

Expansion Slot

1 x PCIe 5.0 x16 slot

Total supports 2 x M.2 slots and 4 x SATA

6Gb/s ports*

Intel Core™ Ultra Processors (Series 2)

M.2_1 slot (Key M), type 2260/2280

(supports PCIe 5.0 x4 mode)

Intel B860 Chipset**

M.2_2 slot (Key M), type 2242/2260/2280

(supports PCIe 4.0 x4 mode)

Graphics

1 x DisplayPort**

1 x HDMI™ port***

1 x Intel Thunderbolt™ 4 supports

DisplayPort and Thunderbolt™ video outputs****

* Graphics specifications may vary between
CPU types.

* 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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