

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-AH610I-S18



Type:

- Microbox PC
- Dimension: 2.60" x 12.30" x 8.27"

Motherboard:

- Featuring Intel H610 Chipset and 14th/13th/12th Gen Intel Core™/Pentium™/Celeron™, LGA1700 processor
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **WiFi:** Wi-Fi 6 + BT 5.2
- **Video:** 1x VGA, 1x DisplayPort, 1x HDMI
- **Audio:** Realtek Audio CODEC
- **Ports:**
 - 4x USB 2.0 Ports (2 Front, 2 Rear)
 - 4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
 - 1x COM Port (RS232 Internal Headers)
 - See specifications for more ports
- **Operating Temperature:** 5°C to 40°C (41°F to 104°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 RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 160w output, 12v input DC-DC Power Supply - AC Adapter Included
- **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: 14th/13th/12th Gen Intel Core™/Pentium™/Celeron™, LGA1700

Chipset

- Chipset: Intel H610 Chipset

Memory

- Memory Type: DDR4 2666MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 64GB

On Board Audio

- Audio Type: Realtek Audio CODEC

On Board Video

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

LAN

- LAN Ports: 1
- LAN Type and IPMI: 1GbE (10/100/1000)
- LAN Chipset: Realtek 1GbE LAN
- Wireless LAN: Wi-Fi 6 + BT 5.2

Drive Interface

- SATA III Ports (6GB): 4

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 2

Chassis Specifications:

General

- Form Factor: Micro PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX
- Slide Rails: Optional

Expansion

- Full Height Slots: 1
- Max Card Depth: 7.5"
- Internal 2.5" Bays: 2
- Serial Port Punchouts: 3
- Parallel Port Punchouts: 1
- Antennae Punchout: 2

Front Ports

- USB 2.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 2

Physical

- Depth: 2.60"
- Depth (Inches): 2.6
- Width: 12.30"
- Height: 8.27"
- Shipping Box - Depth: 16"
- Shipping Box - Width: 16"
- Shipping Box - Height: 8"
- Shipping Weight: 11lbs

Other Features

- Chassis Warranty: 1 Year

Power

- Built-in Chassis Power Supply: AC/DC Power Adapter Included

- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 3
- Audio on Headers
- TPM Support: Via 2.0 Header

Environmental

- Operating Temperature: 5°C to 40°C (41°F to 104°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)
- SL-Windows 11PRO to 10PRO 64bit
- 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)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- LINUX Ubuntu Desktop

Compliance of Component

- UL
- RoHS
- FCC

Other Features

- Other Features:
Expansion Slot
 - 1 x PCIe 4.0 x16 Slot (PCIe1), supports x16 mode*

* 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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www.superlogics.com
Phone: 1-508-650-9500

sales@superlogics.com
Fax: 1-508-650-9525