Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-LLH410I-S17

Type:

- Microbox PC
- Dimension: 8.27" x 7.60" x 2.60"

Motherboard:

- Featuring Intel H410 Chipset and 10th Gen Intel Core i7, i5, i3/Pentium/Celeron, LGA1200 processor
- **Long Production Cycle Motherboard (Through Q4 2026)**
- **No Available Slots**
- **LAN:** 2x Ports (1GbE + 1GbE)
- **Video:** 1x VGA, 1x DisplayPort, 1x HDMI
- **Audio:** Realtek ALC897
- **Ports:**
  4x USB 2.0 Ports (4 Rear)
  2x USB 3.2 Gen 1 Ports (2 Rear)
  6x COM Ports (1 RS232 Rear, 4 RS232 Internal Headers, 1 RS232/422/485 Rear)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

Configuration summary:

- **Processor:** G5905- 3.50GHz Intel Celeron CPU - Dual Core, 4MB Cache, UHD Graphics 610 (58W)
- **Memory:** 8GB DDR4 3200MHz SODIMM RAM
- **Hard Drive:** 250GB SSD SATA 6.0Gb/s 560/530MB/s 2.5" - Samsung 870 EVO
- **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
- Long Life: YES
- EOL Date: Q4 2026

Supported CPU

- Number of Processors: 1
- Processor Type: 10th Gen Intel Core i7, i5, i3/Pentium/Celeron, LGA1200

Chipset

- Chipset: Intel H410 Chipset

Memory

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

On Board Audio

- Audio Type: Realtek ALC897

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
- Embedded DisplayPort Out: 1
- HDMI Out: 1

LAN

- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i211AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 2

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

Mini PCIe

- mini PCIe
- USB and PCIe signals (Internal)

Chassis Specifications:

General

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

Expansion

- Internal 2.5" Bays: 1
- Serial Port Punchouts: 2
- Parallel Port Punchouts: 1
- Antennae Punchout: 2

Cooling System

- Maximum Fan Count: 1

Physical

- Depth: 8.27"
- Depth (Inches): 8.27
- Width: 7.60"
- Height: 2.60"
- Shipping Box - Depth: 13"
- Shipping Box - Width: 9"
- Shipping Box - Height: 5"
- Shipping Weight: 8lbs

Other Features

- Chassis Warranty: 1 Year

Power

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

- half and/or full size mini PCIe card: full size

M.2 Slot Specs

- 2242 - 22 mm x 42 mm.
- 2280 - 22 mm x 80 mm.

Rear IO

- USB 2.0 Ports (on IO): 4
- USB 3.2 Gen 1 Type A Ports (on IO): 2
- Serial (Rear IO): 1
- Serial 232/422/485 Ports: 1
- Audio on IO

Headers

- Serial (via Headers): 4
- FAN Connectors: 2
- TPM Support: TPM via Intel Platform Trust Technology

Management Features

- Watch Dog

Environmental

- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- Windows 10 IoT 2021 LTSC Value
- Windows 10 IoT 2021 LTSC High End
- Windows 11 Pro (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- LINUX Ubuntu Desktop

Other Features

- Other Features:
  One PCI-Express x16 slot.
  One PCI-Express Mini Card

  One M.2 Key B type 2242/2280/3042/3052 includes PCIe x2, PCIe + SATA3.0, PCIe + USB 3.2 GEN1 interfaces

  One M.2 Key E type 2230 with PCIe x1 and USB2.0.

- Motherboard Warranty: 1 Year

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