Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-AH310I-S18





Type:

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

Motherboard:

- Featuring Intel H310 Chipset and 8th and 9th Gen Core i7/i5/i3 (LGA1151) processor
- **LAN:** 1x Ports (GB (10/100/1000))
- **WiFi:** Integrated Intel 802.11ac WiFi Module + Bluetooth 4.2 - Removable Under Networking Section
- **Video:** DVI-I + HDMI + DisplayPort
- **Audio:** 8-Channel HD Audio by Realtek ALC887
- **Ports:**
  4x USB 2.0 Ports (2 Front, 2 Rear)
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 50ºC (32ºF to 122ºF)

Configuration summary:

- **Processor:** G4900 - 3.1GHz Intel Celeron CPU - Dual Core, 2MB Cache, UHD Graphics 610 (54W) (ERM) - or Better
- **Memory:** 8GB DDR4 2666MHz RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **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: 8th and 9th Gen Core i7/i5/i3 (LGA1151)

Chipset
- Chipset: Intel H310 Chipset

Memory
- Memory Type: DDR4 2400MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

On Board Audio
- Audio Type: 8-Channel HD Audio by Realtek ALC887

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: DVI-I + HDMI + DisplayPort
- DVI-I Out: 1
- Display Port Out: 1
- HDMI Out: 1

LAN
- LAN Ports: 1
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i219V
- Wireless LAN: Integrated Intel 802.11ac WiFi Module + Bluetooth 4.2 - Removable Under Networking Section

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

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

Rear IO

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 Port (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

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

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- FAN Connectors: 2
- Audio on Headers
- Chassis Intrusion

Environmental

- Operating Temperature: 0ºC to 50ºC (32ºF to 122ºF)
- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Value
- Windows 10 IoT Ent
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- LINUX Ubuntu Desktop
- LINUX Ubuntu Workstation

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Other Features: - 1 x PCI Express 3.0 x16 Slot (PCIE1: x16 mode)* - 1 x Vertical M.2 Socket (Key E) with the bundled WiFi-802.11ac module (on the rear I/O) *Supports NVMe SSD as boot disks 1 x M.2 Socket, supports M Key type 2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen2 x4 (20 Gb/s)** *If M2_1 is occupied by a SATA-type M.2 device, SATA3_0 will be disabled.
- Motherboard Warranty: 1 Year