

## Microbox PC Embedded PC

Configuration Number: BASE CONFIG  
SL-EB-LLH110A-S19-NF



### Completely Fanless

#### Type:

- Microbox PC
- Dimension: 8.30" x 8" x 3.50"

#### Motherboard:

- Featuring Intel H110 Chipset and 7th and 6th Gen Core i7/i5/i3 (LGA1151) processor
- **Long Production Cycle Motherboard (Through Q1 2030)**
- **Low Profile Slots:**  
1 - PCIe x16
- **LAN:** 2x Ports (1GbE + 1GbE)
- **Video:** VGA + DisplayPort + HDMI
- **Audio:** Intel HD Audio
- **Ports:**  
4x USB 2.0 Ports ( 2 Front, 2 Internal Headers )  
4x USB 3.2 Gen 1 Ports ( 4 Rear )  
4x COM Ports (1 RS232 Rear, 2 RS232 Internal Headers, 1 RS232/422/485 Rear)  
See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

#### Configuration summary:

- **Processor:** i3-6100TE - 2.70GHz Intel Dual Core CPU - 4MB Cache, HD Graphics 530 (35W) (ERM)
- **Memory:** 8GB DDR4 2666MHz SODIMM RAM
- **Hard Drive:** 256GB mSATA SSD SATA 6.0Gb/s, 550/500MB/s read/write (or greater)

- **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
- Fanless
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2030

#### Supported CPU

- Number of Processors: 1
- Processor Type: 7th and 6th Gen Core i7/i5/i3 (LGA1151)

#### Chipset

- Chipset: Intel H110 Chipset

#### Memory

- Memory Type: SO DIMM DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

#### On Board Audio

- Audio Type: Intel HD Audio

#### On Board Video

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

#### LAN

- LAN Ports: 2
- LAN Type: 1GbE + 1GbE
- LAN Chipset: Intel i219V
- Second LAN Chipset: Intel i210AT
- Wireless LAN: No Integrated WLAN

### Chassis Specifications:

#### General

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

#### Expansion

- Low Profile Slots: 1
- Max Card Depth: 7.5"
- Internal 2.5" Bays: 2
- Serial Port Punchouts: 2
- Parallel Port Punchouts: 1

#### Front Ports

- USB 2.0 Ports (Front): 2

#### Cooling System

- Maximum Fan Count: 2

#### Physical

- Depth: 8.30"
- Depth (Inches): 8.27
- Width: 8"
- Height: 3.50"
- Shipping Box - Depth: 150mm
- Shipping Box - Width: 380mm
- Shipping Box - Height: 27mm
- Shipping Weight: 13lbs

#### Other Features

- Chassis Warranty: 1 Year

#### Power

- Built-in Chassis Power Supply: Power Adapter Included

### **Drive Interface**

- SAS 6G Ports: 4

### **Expansion Slots**

- PCI Express x16 Slots On Motherboard: 1

### **Mini PCIe**

- mini PCIe
- mSATA
- USB and PCIe signals (Internal)
- half and/or full size mini PCIe card: full/half size

### **M.2 Slot Specs**

#### **Rear IO**

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

#### **Headers**

- USB 2.0 Ports (on Headers): 4
- Serial (via Headers): 2
- LVDS
- TPM Support: Via 2.0 Header

#### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 90%
- Low Humidity: 5%

#### **Operating System Support**

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- Windows 7 PRO (FES) DGS 32-BIT
- Windows 7 PRO (FES) DGS 64-BIT
- SL-Windows 10PRO to 7PRO 32-bit
- SL-Windows 10PRO to 7PRO 64-bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (32-bit)
- Windows 8.1 Pro (64-bit)
- Windows Embedded 8 (32-bit)
- Windows Embedded 8 (64-bit)
- Windows 10 Home (32 Bit)
- Windows 10 Home (64 Bit)
- Windows 10 Pro (32 Bit)

- Windows 10 Pro (64-Bit)
- SL-Windows 11PRO to 10PRO 32bit
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Value
- Windows 10 IoT Ent
- 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
- LINUX Ubuntu Desktop
- LINUX Ubuntu Workstation
- Ubuntu Server Edition

#### **Compliance of Component**

- UL
- CE
- RoHS
- FCC

#### **Other Features**

- Other Features:
  - 1 x PCIe x16 slot
  - 1 (half/full size, supports PCIe x1 and USB device)
  - 1 (full size, shared SATA and USB device)
- Motherboard Warranty: 1 Year



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