

## Microbox PC Embedded PC

Configuration Number: BASE CONFIG  
SL-EB-i3-7100UW-TPM-J



(full size images available on web site)

### Completely Fanless, TPM Support: 2.0 Module Included

#### Type:

- Microbox PC
- Dimension: 4.60" x 5.67" x 2.56"

#### Motherboard:

- Featuring Intel Core i3 SoC and 7th Gen Core i3-7100U Kaby Lake-U 15W SoC processor
- **Long Production Cycle Motherboard (Through Q3 2030)**
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **WiFi:** Wireless 802.11 b/g/n
- **Video:** DisplayPort + HDMI
- **Audio:** Realtek ALC662 HD Audio
- **Ports:**
  - 2x USB 2.0 Ports ( 2 Front )
  - 6x USB 3.2 Gen 1 Ports ( 2 Front, 4 Rear )
  - 1x COM Port (RS232/422/485 Rear)
- See specifications for more ports
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)

#### Configuration summary:

- **Memory:** 8GB DDR4 2666MHz SODIMM RAM
- **Hard Drive:** 120GB SSD SATA 6.0Gb/s, 500/320MB/s read/write (or greater)
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: uTX (117x112mm)
- Long Production Cycle
- Long Life: YES
- EOL Date: Q3 2030
- Fanless

### Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: 7th Gen Core i3-7100U Kaby Lake-U 15W SoC processor

### Chipset

- Chipset: Intel Core i3 SoC

### Memory

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

### On Board Audio

- Audio Type: Realtek ALC662 HD Audio

### On Board Video

- Video Chipset: Intel HD Graphics
- Video on IO: DisplayPort + HDMI
- Display Port Out: 1
- HDMI Out: 1

### LAN

- LAN Ports: 2
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Intel i211AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: Wireless 802.11 b/g/n

### Drive Interface

- SATA III Ports (6GB): 1

### Expansion Slots

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

## Chassis Specifications:

### General

- Form Factor: NUC Box
- Front Facing I/O
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm

### Expansion

- Internal 2.5" Bays: 1

### Front Ports

- USB 2.0 Ports (Front): 2
- USB 3.2 Ports (Front): 2

### Physical

- Depth: 4.60"
- Depth (Inches): 4.6
- Width: 5.67"
- Height: 2.56"
- Shipping Box - Depth: 4.65"
- Shipping Box - Width: 9.85"
- Shipping Box - Height: 11.62"
- Shipping Weight: 7lbs

- SIM Card Slot On Motherboard: SIM

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

#### **Rear IO**

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

#### **Headers**

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2

#### **Management Features**

- Watch Dog
- TPM Support: 2.0 Module Included

#### **Environmental**

- Operating Temperature: 0°C to 50°C (32°F to 122°F )
- High Humidity: 90%
- Low Humidity: 5%

#### **Operating System Support**

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

#### **Compliance of Component**

- CE
- RoHS
- FCC

#### **Warranty of Component**

- Motherboard Warranty: 1 Year

#### **Other Features**

- Other Features:  
AC to DC Adapter / DC12V\_5A\_60W  
  
AC 90~240V input



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