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:** 1x 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:** 0ºC to 50ºC (32ºF to 122ºF)

Configuration summary:

- **Memory:** 8GB DDR4 2666MHz SODIMM RAM
- **Hard Drive:** 240GB SATA 3 2.5" SSD - 500/350MB 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: 1x DisplayPort + HDMI
- Display Port Out: 1
- HDMI Out: 1

LAN

- LAN Ports: 2
- LAN Type and IPMI: 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: 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 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