

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-J4105B-S17



No Windows 7 Support, for Windows 7 see SL-EB-LL1900J-S29

Type:

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

Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron J4105 Processor (1.5GHz Quad Core, Burst 2.5GHz) TDP 10W
- **No Available Slots**
- **LAN:** 1x Ports (GB (10/100/1000))
- **Video:** VGA + HDMI
- **Audio:** 8-Channel HD Audio by Realtek ALC887
- **Ports:**
 - 5x USB 2.0 Ports (2 Front, 1 Rear, 2 Internal Headers)
 - 5x USB 3.2 Gen 1 Ports (3 Rear, 2 Internal Headers)
 - 2x COM Ports (1 RS232 Rear, 1 RS232 Internal Headers)
 - 1x Parallel Port (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:** 250GB SSD SATA 6.0Gb/s 560/530MB/s 2.5" - Samsung 870 EVO
- **Power Supply:** 90w 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

Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron J4105 Processor (1.5GHz Quad Core, Burst 2.5GHz) TDP 10W

Chipset

- Chipset: Intel Celeron SoC

Memory

- Memory Type: SO DIMM DDR4 2400MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 8GB

On Board Audio

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

On Board Video

- Video Chipset: Integrated Intel UHD Graphics 600: 12 EUs inside (Up to 750MHz)
- Video on IO: VGA + HDMI
- VGA Port Out: 1
- HDMI Out: 1

LAN

- LAN Ports: 1
- LAN Type: GB (10/100/1000)
- LAN Chipset: Realtek RTL8111H
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 2

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

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

Front Ports

- USB 2.0 Port (Front): 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

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 1
- USB 3.2 Gen 1 Type A Ports (on IO): 3
- Serial (Rear IO): 1
- Parallel Ports: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 2
- Audio on Headers

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 Entry
- Windows 10 IoT Entry 2019 LTSC

Compliance of Component

- UL
- CE
- RoHS
- FCC

Other Features

- Other Features:

Microsoft® Windows® 10 64-bit*

*Supports UEFI mode only

*USB3_1_2 is shared with USB2_3.

1 x PCI Express 2.0 x16 Slot (PCIe1: x2 mode)

* Access to PCI Express slot requires expansion slot and a riser in some chassis models. Please check Chassis Specification section for more information.

If you have any questions, please discuss with our Sales Engineers.

- Motherboard Warranty: 1 Year



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