

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-J6412-H-2LAN



(Full size images available on web site)

Type:

- Microbox PC
- Dimension: 109mm x 125mm x 44mm

Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron J6412 Elkhart Lake Platform (Quad Core 2.0GHz/10W, Turbo 2.6GHz)
- **Long Production Cycle Motherboard (Through Q1 2036)**
- **LAN:** 2x Ports (2.5GbE (10/100/1000/2500))
- **WiFi:** Wireless AC
- **Video:** DisplayPort + HDMI
- **Audio:** Realtek ALC888S HD Audio
- **Ports:**
 - 1x USB 2.0 Port(1 Front)
 - 1x USB 3.2 Gen 1 Port(1 Front)
 - 1x USB 3.2 Gen 2 Port (1 Rear)
 See specifications for more ports
- **Operating Temperature:** -20°C to 60°C (-4°F to 140°F)

Configuration summary:

- **Memory:** 8GB DDR4 3200MHz SODIMM RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** Adapter : AC_90~240V / DC_12V/40W
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: NUC (101x101 mm)
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2036
- Fanless

Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron J6412 Elkhart Lake Platform (Quad Core 2.0GHz/10W, Turbo 2.6GHz)

Chipset

- Chipset: Intel Celeron SoC

Memory

- Memory Type: SO DIMM DDR4 3200MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 32GB

On Board Audio

- Audio Type: Realtek ALC888S HD Audio

On Board Video

- Video Chipset: Intel UHD Graphics for 10th Gen Intel Processors
- Video on IO: DisplayPort + HDMI
- Display Port Out: 1
- HDMI Out: 2

LAN

- LAN Ports: 2
- LAN Type: 2.5GbE (10/100/1000/2500)
- LAN Chipset: Intel I225-V 2.5GbE Ethernet
- Second LAN Chipset: Intel i225-V 2.5GbE Ethernet
- Wireless LAN: Wireless AC

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- PCIe Signal
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

Chassis Specifications:

General

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

Front Ports

- USB 2.0 Ports (Front): 1
- USB 3.2 Ports (Front): 1
- USB 3.2 Gen 2 Type-C (Front): 2
- Front Audio Ports: 1

Physical

- Depth: 109.20mm
- Depth (Inches): [Click Available Downloads Tab > Mechanical Drawings.](#)
- Width: 125mm
- Height: 44.50mm
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight: 2lbs

Power

- Built-in Chassis Power Supply: Adapter : AC_90~240V / DC_12V/40W

Rear IO

- USB 3.2 Gen 2 Type A Ports (on IO): 1

Headers

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

Management Features

- TPM Support: TPM via Intel Platform Trust Technology

Environmental

- Operating Temperature: -20°C to 60°C (-4°F to 140°F)
- High Humidity: 95%
- Low Humidity: 10%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT 2021 LTSC Entry
- Windows 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 11 IoT 2024 LTSC Entry
- LINUX Ubuntu Desktop

Compliance of Component

- UL
- CE
- RoHS
- FCC
- CB
- CCC

Warranty of Component

- Motherboard Warranty: 1 Year



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