# Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-J3455-H-2LAN





(full size images available on web site)

## Type:

- Microbox PC
- Dimension: 109mm x 125mm x 55mm

## Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron J3455 Processor (1.5GHz Quad Core, Burst 2.3GHz) Intel HD Graphics 500, TDP 10W
- **Long Production Cycle Motherboard (Through Q3 2031)**
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **Video:** 1x VGA, 1x HDMI
- **Audio:** Realtek ALC662 HD Audio
- **Ports:**
  2x USB 3.2 Gen 1 Ports ( 2 Rear )
  1x COM Port (RS232/422/485 Rear)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 50ºC (32ºF to 122ºF)

## Configuration summary:

- **Memory:** 4GB DDR3L 1600MHz SODIMM RAM 1.35V
- **Hard Drive:** 256GB mSATA SSD SATA 6.0Gb/s, 550/500MB/s read/write (or greater)
- **Power Supply:** Adapter: AC 90~240V / DC12V / 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: Q3 2031
- Fanless

**Supported CPU**

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron J3455 Processor (1.5GHz Quad Core, Burst 2.3GHz) Intel HD Graphics 500, TDP 10W

**Chipset**

- Chipset: Intel Celeron SoC

**Memory**

- Memory Type: DDR3 1600MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 8GB

**On Board Audio**

- Audio Type: Realtek ALC662 HD Audio

**On Board Video**

- Video Chipset: Supported by CPU - see Embedded CPU Information
- Video on IO: 1x VGA, 1x HDMI
- VGA Port Out: 1
- HDMI Out: 2

**LAN**

- LAN Ports: 2
- LAN Type and IPMI: 1GbE (10/100/1000)
- LAN Chipset: Realtek RTL8111H
- Second LAN Chipset: Realtek RTL8111H
- Wireless LAN: No Integrated WLAN

**Expansion Slots**

- mini PCIe
- mSATA
- half and/or full size mini PCIe card: full size

**Rear IO**

## Chassis Specifications:

**General**

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

**Expansion**

- Antennae Punchout: 2

**Front Ports**

- USB 3.2 Ports (Front): 2

**Physical**

- Depth: 109.20mm
- Width: 125mm
- Height: 55.50mm
- Shipping Box - Depth: 167mm
- Shipping Box - Width: 158mm
- Shipping Box - Height: 123.60mm
- Shipping Weight: 3lbs

**Power**

- Built-in Chassis Power Supply: Adapter: AC 90~240V / DC12V / 40W

- USB 3.2 Gen 1 Type A Ports (on IO): 2
- Serial 232/422/485 Ports: 1
- Audio on IO

**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 Entry 2019 LTSC
- Windows 10 IoT 2021 LTSC Entry
- SL-Windows 11PRO to 10PRO 64bit
- LINUX Ubuntu Desktop

**Compliance of Component**

- CE
- RoHS
- FCC

**Warranty of Component**

- Motherboard Warranty: 1 Year

SuperLogics®
Simplifying Computing™
www.superlogics.com
Phone: 1-508-650-9500
sales@superlogics.com
Fax: 1-508-650-9525