

## Microbox PC Embedded PC

Configuration Number: BASE CONFIG  
SL-EB-LL2930A-S29



### Completely Fanless

#### Type:

- Microbox PC
- Dimension: 193mm x 215mm x 45mm

#### Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron N2930 Processor (1.83GHz Quad Core, Burst 2.16GHz) TDP 7.5W
- **Long Production Cycle Motherboard (Through Q1 2021)**
- **No Available Slots**
- **LAN:** 1xGB (10/100/1000)
- **Video:** VGA + HDMI
- **Audio:** 5.1 channel by Realtek ALC662
- **Ports:**
  - 6x USB 2.0 Ports ( 2 Front, 2 Rear, 2 via internal headers)
  - 4x USB 3.0 Ports ( 2 Rear, 2 via internal headers)
  - 5x COM Ports (4 on Headers, 1 RS232/422/485 on Headers)
  - 1x Parallel Port (Headers)See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

#### Also Included:

- **Memory:** 4GB DDR3 1333MHz SODIMM RAM
- **Hard Drive:** 120GB mSATA SSD SATA 6.0Gb/s, 520/320MB/s read/write (or greater)
- **Power Supply:** AC/DC Power Adapter Included
- **Operating System:** Not Included -

- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: MiniITX
- Fanless
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2021

### Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron N2930 Processor (1.83GHz Quad Core, Burst 2.16GHz) TDP 7.5W

### Chipset

- Chipset: Intel Celeron SoC

### Memory

- Memory Type: SO DIMM DDR3 1333MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 8GB

### On Board Audio

- Audio Type: 5.1 channel by Realtek ALC662

### On Board Video

- Video Chipset: Intel 7th generation (Gen 7) Graphics
- 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 8111DL
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA II Ports (3GB): 2

### Expansion Slots

- PCI Express x1 Slots On Motherboard: 1

## Chassis Specifications:

### General

- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX
- Slide Rails: Optional

### Expansion

- Internal 2.5" Bays: 1
- Serial Port Punchouts: 3
- Parallel Port Punchouts: 1

### Front Ports

- USB 2.0 Port (Front): 2

### Physical

- Depth: 193mm
- Depth (Inches): 7.6
- Width: 215mm
- Height: 45mm
- Shipping Box - Depth: 13"
- Shipping Box - Width: 9"
- Shipping Box - Height: 5"
- Shipping Weight: 5lbs

### Other Features

- Chassis Warranty: 1 Year

### Power

- Built-in Chassis Power Supply: AC/DC Power Adapter Included

### **mini PCIe**

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

### **Rear IO**

- USB 2.0 Ports (on IO): 2
- USB 3.0 Ports (on IO): 2
- Audio on IO

### **Headers**

- USB 2.0 Ports (on Headers): 4
- USB 3.0 Ports (on Headers): 2
- Serial (via Headers): 4
- Serial 232/422/485 Ports: 1
- Parallel Ports: 1
- FAN Connectors: 3
- Digital I/O (8 Bit) On Headers
- Audio on Headers
- LVDS

### **Environmental**

- Operating Temperature: 0°C to 60°C (32°F to 140°F )
- High Humidity: 90%
- Low Humidity: 5%

### **Operating System Support**

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- SL-Windows 10PRO to 7PRO 32-bit
- SL-Windows 10PRO to 7PRO 64-bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (32-bit)
- Windows 8.1 Pro (64-bit)
- Windows Embedded 8 (32-bit)
- Windows Embedded 8 (64-bit)
- 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:

1x PCI Express 2.0 x1 Slot

\* 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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