

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-ICO300-4-83B-1



(full size images available on web site)

Completely Fanless

Type:

- Microbox PC
- Dimension: 4.33" x 1.88" x 6.10"

Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron N3350 processor (1.1 GHz Dual Core, Burst 2.40GHz) Intel HD Graphics 500, TDP 6W
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **WiFi:** Wireless antennas pre-assembled
- **Video:** HDMI
- **Audio:** No Onboard Audio
- **Ports:**
4x COM Port (RS232/422/485 Rear)
See specifications for more ports
- **Operating Temperature:** -40°C to 70°C (-40°F to 158°F)

Configuration summary:

- **Memory:** 2GB DDR3L 1600MHz SODIMM RAM (Not Recommended - Use with Embedded Operating System Only)
- **Hard Drive:** 120GB SSD SATA 6.0Gb/s, 500/320MB/s read/write (or greater)
- **Power Supply:** Power Input Range: 12 - 24 VDC. Power Protection: DC Version, OVP, Reverse protection
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: Embedded
- Fanless

Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron N3350 processor (1.1 GHz Dual Core, Burst 2.40GHz) Intel HD Graphics 500, TDP 6W

Chipset

- Chipset: Intel Celeron SoC

Memory

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

On Board Audio

- Audio Type: No Onboard Audio

On Board Video

- Video Chipset: Supported by CPU - see Embedded CPU Information
- Video on IO: HDMI
- HDMI Out: 1

LAN

- LAN Ports: 2
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Intel i211AT
- Second LAN Chipset: Intel i211AT
- Wireless LAN: Wireless antennas pre-assembled

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
- Second mini PCIe
- USB and PCIe signals (Internal)

Chassis Specifications:

General

- Form Factor: Micro PC
- Color: Black
- Material: Extruded Aluminum and Heavy-duty Steel
- Material Thickness: 1mm
- Slide Rails: Optional

Expansion

- Internal 2.5" Bays: 1

Front Ports

- USB 3.2 Ports (Front): 4

Physical

- Depth: 4.33"
- Width: 1.88"
- Height: 6.10"
- Shipping Box - Depth: 7.70"
- Shipping Box - Width: 6.50"
- Shipping Box - Height: 4.30"
- Shipping Weight: 4lbs

Power

- Built-in Chassis Power Supply: Power Input Range: 12 - 24 VDC. Power Protection: DC Version, OVP, Reverse protection

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

M.2 Slot Specs

Rear IO

- Serial 232/422/485 Ports: 4
- Digital I/O (8 Bit)

Management Features

- Watch Dog

Environmental

- Operating Temperature: -40°C to 70°C (-40°F to 158°F)
- High Humidity: 95%
- Low Humidity: 10%

Operating System Support

- Windows 10 IoT Entry 2019 LTSC
- LINUX Ubuntu Desktop

Compliance of Component

- CE
- FCC

Warranty of Component

- Motherboard Warranty: 1 Year



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