

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-ICO300



(full size images available on web site)

Completely Fanless

Type:

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

Motherboard:

- Featuring Intel ATOM SoC and Intel Atom E3815 (1.46GHz Single Core) TDP 5W
- **Long Production Cycle Motherboard (Through Q4 2028)**
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **WiFi:** Wireless antennas pre-assembled
- **Video:** VGA
- **Audio:** No Onboard Audio
- **Ports:**
 - 2x USB 2.0 Ports (2 Rear)
 - 4x COM Port (RS232/422/485 Rear)
- See specifications for more ports
- **Operating Temperature:** -20°C to 70°C (-4°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 Rating: 12-24 VDC, 1.21-0.66A
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: Embedded
- Long Production Cycle
- Long Life: YES
- EOL Date: Q4 2028
- Fanless

Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Atom E3815 (1.46GHz Single Core) TDP 5W

Chipset

- Chipset: Intel ATOM SoC

Memory

- Memory Type: SO DIMM DDR3 1600MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 4GB

On Board Audio

- Audio Type: No Onboard Audio

On Board Video

- Video Chipset: Supported by CPU - see Embedded CPU Information
- Video on IO: VGA
- VGA Port 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 II Ports (3GB): 1
- Compact Flash: 1

Expansion Slots

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

Chassis Specifications:

General

- Form Factor: Micro PC
- Front Facing I/O
- Color: Gray & White
- Material: Metal/Steel
- Material Thickness: 1mm

Expansion

- Internal 2.5" Bays: 1

Front Ports

- USB 2.0 Ports (Front): 2

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 Rating: 12-24 VDC, 1.21-0.66A

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

Rear IO

- USB 2.0 Ports (on IO): 2
- Serial 232/422/485 Ports: 4

Management Features

- Watch Dog

Environmental

- Operating Temperature: -20°C to 70°C (-4°F to 158°F)
- High Humidity: 95%
- Low Humidity: 10%

Operating System Support

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (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
- FCC

Warranty of Component

- Motherboard Warranty: 1 Year



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