

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-EB-LLA7425E-S19



Type:

- Microbox PC
- Dimension: 8.30" x 8" x 3.50"

Motherboard:

- Featuring Intel ATOM SoC and Intel Atom x7425E Processor (Max Turbo 3.40 GHz Quad Core) TDP 12W
- **LAN:** 2x Ports (2.5GbE + 2.5GbE)
- **Video:** 2x HDMI
- **Audio:** Onboard Audio
- **Ports:**
 - 4x USB 2.0 Ports (2 Front, 2 Rear)
 - 1x USB 3.2 Gen 2 Port (1 Rear)
 - 1x USB 3.2 Gen 2 Type-C Port (1 Rear)
 - 6x COM Ports (5 RS232 Internal Headers, 1 RS232/422/485 Rear)
- See specifications for more ports
- **Operating Temperature:** -20°C to 60°C (-4°F to 140°F)

Configuration summary:

- **Memory:** 8GB DDR5 5600MHz RAM Non-ECC Unbuffered SODIMM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** Power Adapter Included
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: MiniITX
- Long Production Cycle

Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Atom x7425E Processor (Max Turbo 3.40 GHz Quad Core) TDP 12W

Chipset

- Chipset: Intel ATOM SoC

Memory

- Memory Type: SO DIMM DDR5 4800MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 32GB

On Board Audio

- Audio Type: Onboard Audio

On Board Video

- Video Chipset: Intel UHD Graphics
- Video on IO: 2x HDMI
- HDMI Out: 2

LAN

- LAN Ports: 2
- LAN Type and IPMI: 2.5GbE + 2.5GbE
- LAN Chipset: Intel i226-V 2.5GbE Ethernet
- Second LAN Chipset: Intel i226-V 2.5GbE Ethernet
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 1

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- 2242 - 22 mm x 42 mm.
- 2280 - 22 mm x 80 mm.
- M.2 E-Key Slot
- PCIe Signal
- USB
- 2230 - 22 mm x 30 mm.

Rear IO

- USB 2.0 Ports (on IO): 2

Chassis Specifications:

General

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

Expansion

- Low Profile Slots: 1
- Max Card Depth: 7.5"
- Internal 2.5" Bays: 2
- Serial Port Punchouts: 2
- Parallel Port Punchouts: 1

Front Ports

- USB 2.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 2

Physical

- Depth: 8.30"
- Depth (Inches): 8.27
- Width: 8"
- Height: 3.50"
- Shipping Box - Depth: 150mm
- Shipping Box - Width: 380mm
- Shipping Box - Height: 27mm
- Shipping Weight: 13lbs

Other Features

- Chassis Warranty: 1 Year

Power

- Built-in Chassis Power Supply: Power Adapter Included

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

Headers

- USB 2.0 Ports (on Headers): 2
- Serial (via Headers): 5
- Digital I/O (8 Bit) On Headers
- LVDS
- PS/2 Combo (Mouse/Keyboard) on Headers
- TPM Support: 2.0 Module Included
- DC Power: 12-28V DC-in jack

Environmental

- Operating Temperature: -20°C to 60°C (-4°F to 140°F)
- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

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

Compliance of Component

- CE
- FCC
- CB

Other Features

- Motherboard Warranty: 1 Year



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