Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-MB-SBC-Q370-BA





Type:

- Microbox PC
- Dimension: 15.80" x 9.45" x 6.10"

Motherboard:

- Featuring Intel Q370 Chipset and 8th and 9th Gen Core i7/i5/i3 Processors, LGA1151 processor
- **Long Production Cycle Motherboard (Through Q1 2029)**
- **Full Height Slots:**
  1 - PCIe x16
  3 - PCI
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1
- **Video:** 1x DVI-I
- **Audio:** No Onboard Audio
- **Ports:**
  1x USB 2.0 Port(1 Front)
  1x USB 3.2 Gen 1 Port(1 Internal Headers)
  2x USB 3.2 Gen 2 Ports (2 Rear)
  4x COM Ports (2 RS232 Internal Headers, 2 RS232/422/485 Internal Headers)
  1x Parallel Port (Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

Configuration summary:

- **Processor:** G5400 - 3.7GHz Intel Pentium Gold CPU - Dual Core, 4MB Cache, UHD Graphics 610 (54W) (ERM)
- **Memory:** 8GB DDR4 3200MHz RAM
- **Hard Drive:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue

- **Power Supply:** 550W Fully Modular ATX Power Supply - 80+ Bronze
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: Single Board Computer (SBC)
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2029
- PICMG: 1.3

Supported CPU
- Number of Processors: 1
- Processor Type: 8th and 9th Gen Core i7/i5/i3 Processors, LGA1151

Chipset
- Chipset: Intel Q370 Chipset

Memory
- Memory Type: DDR4 2400MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

On Board Audio
- Audio Type: No Onboard Audio

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 1x DVI-I
- DVI-I Out: 1

LAN
- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i211AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

Drive Interface
- SATA III Ports (6GB): 6
- RAID

Chassis Specifications:

General
- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: 6-Slot SBC
- Slide Rails: Optional

Expansion
- Full Height Slots: 6
- Max Card Depth: 13.25"
- External 5.25" Bays: 1
- Internal 3.5" Bays: 1
- External 3.5" Bays: 1

Front Ports
- USB 2.0 Ports (Front): 2

Cooling System
- Maximum Fan Count: 1
- Included Fans: 1

Physical
- Depth: 15.80"
- Depth (Inches): 15.8
- Width: 9.45"
- Height: 6.10"
- Shipping Box - Depth: 11"
- Shipping Box - Width: 21"
- Shipping Box - Height: 15"
- Shipping Weight: 26lbs

Other Features
- Chassis Warranty: 1 Year

- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- PCIe Signal
- 2280 - 22 mm x 80 mm.

Rear IO

- USB 3.2 Gen 2 Type A Ports (on IO): 2

Headers

- USB 2.0 Ports (on Headers): 1
- USB 3.2 Gen 1 Ports (on Headers): 1
- Serial (via Headers): 2
- Serial 232/422/485 Ports: 2
- Parallel Ports: 1
- FAN Connectors: 3
- Audio on Headers
- PS/2 Combo (Mouse/Keyboard) on Headers
- TPM Support: Via 2.0 Header

Management Features

- AMT
- vPRO
- Watch Dog

Environmental

- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 95%
- Low Humidity: 10%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 Pro WS (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Value
- Windows 10 IoT Ent
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- Windows 10 IoT 2021 LTSC Value
- Windows 10 IoT 2021 LTSC High End
- Windows 11 Pro (64 Bit)
- Windows 11 Pro for WS (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- RED HAT Enterprise LINUX WORKSTATION STANDARD
- LINUX Ubuntu Desktop

- Ubuntu Server Edition

Compliance of Component

- CE

Other Features

- Motherboard Warranty: 1 Year