

Microbox PC Embedded PC

Configuration Number: BASE CONFIG
SL-MB-SBC-Q170-BB



Type:

- Microbox PC
- Dimension: 16.37" x 11" x 7.77"

Motherboard:

- Featuring Intel Q170 Chipset and 6th Gen Core i7/i5/i3 (LGA1151, 'Skylake') processor
- **Long Production Cycle Motherboard (Through Q3 2027)**
- **Full Height Slots:**
 - 1 - PCIe x16
 - 3 - PCIe x4
 - 3 - PCI
- **LAN:** 2x Ports (1GbE + 1GbE)
- **RAID:** 0,1
- **Video:** DVI-I
- **Audio:** Onboard Audio
- **Ports:**
 - 10x USB 2.0 Ports (2 Front, 8 Internal Headers)
 - 2x USB 3.2 Gen 1 Ports (2 Rear)
 - 6x COM Ports (5 RS232 Internal Headers, 1 RS232/422/485 Internal Headers)
 - See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

Configuration summary:

- **Processor:** G4400 - 3.3GHz Intel Pentium Dual Core - 3MB Cache, HD Graphics 510 (54W) (ERM) or Better
- **Memory:** 8GB DDR4 2666MHz RAM
- **Hard Drive:** 1.0TB SATA 6.0Gb/s 7200RPM 64MB 3.5" - WD Blue
- **Power Supply:** 400W Power Supply

- **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: Q3 2027
- PICMG: 1.3

Supported CPU

- Number of Processors: 1
- Processor Type: 6th Gen Core i7/i5/i3 (LGA1151, 'Skylake')

Chipset

- Chipset: Intel Q170 Chipset

Memory

- Memory Type: DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

On Board Audio

- Audio Type: Onboard Audio

On Board Video

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

LAN

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

Drive Interface

- SATA III Ports (6GB): 6
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5,

Chassis Specifications:

General

- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: 8-Slot SBC
- Slide Rails: Optional

Expansion

- Full Height Slots: 8
- Max Card Depth: 13.3"
- 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: 16.37"
- Width: 11"
- Height: 7.77"
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight:

Compliance of Component

- UL
- CE
- RoHS
- FCC

Other Features

- Chassis Warranty: 1 Year

M.2 Slot Specs

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 2

Headers

- USB 2.0 Ports (on Headers): 10
- Serial (via Headers): 5
- Serial 232/422/485 Ports: 1
- FAN Connectors: 2
- PS/2 Combo (Mouse/Keyboard) on Headers

Environmental

- Operating Temperature: 0°C to 60°C (32°F to 140°F)
- High Humidity: 95%
- Low Humidity: 10%

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
- Windows 7 PRO (FES) DGS 32-BIT
- Windows 7 PRO (FES) DGS 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 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 Server 2012
- RED HAT Enterprise LINUX SERVER STANDARD
- LINUX Ubuntu Desktop
- LINUX Ubuntu Workstation

- Ubuntu Server Edition

Compliance of Component

- CE

Other Features

- Motherboard Warranty: 1 Year



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