

2U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG
SL-2U-AB760M-SG



Type:

- 2U Rack Mount Industrial PC
- Depth: 13.13"

Motherboard:

- Featuring Intel B760 Chipset and 13th & 12th Gen Intel Core™, Pentium Gold and Celeron, LGA1700 processor
- **Low Profile Slots:**
 - 1 - PCIe x16
 - 2 - PCIe x1
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **RAID:** 0,1,5,10 and NVMe 0,1
- **Video:** 1x VGA, 2x DisplayPort, 1x HDMI
- **Audio:** Realtek Audio CODEC
- **Ports:**
 - 6x USB 2.0 Ports (2 Rear, 4 Internal Headers)
 - 4x USB 3.2 Gen 1 Ports (2 Front, 2 Rear)
 - 2x COM Ports (RS232 Internal Headers)
 - 1x Parallel Port (Headers)
 - See specifications for more ports
- **Operating Temperature:** 0°C to 40°C (32°F to 104°F)

Configuration summary:

- **Processor:** i3-12100 - 3.30GHz (up to 4.30GHz) Intel Core CPU - 4 Core, 12MB Cache, UHD Graphics 730 (Base 60W, Max 89W) (ERM)
- **Memory:** 16GB DDR5 5600MHz RAM Non-ECC Unbuffered DIMM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 350W 1U Flex ATX Power Supply - 80+ Gold Certified

- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: MicroATX
- Long Production Cycle

Supported CPU

- Number of Processors: 1
- Processor Type: 13th & 12th Gen Intel Core™, Pentium Gold and Celeron, LGA1700

Chipset

- Chipset: Intel B760 Chipset

Memory

- Memory Type: DDR5 4800MHz
- Memory Type: Non-ECC
- DIMMS: 4
- Maximum Memory: 128GB

On Board Audio

- Audio Type: Realtek Audio CODEC

On Board Video

- Video Chipset: None
- Video on IO: 1x VGA, 2x DisplayPort, 1x HDMI
- VGA Port Out: 1
- Display Port Out: 2
- HDMI Out: 1

LAN

- LAN Ports: 1
- LAN Type and IPMI: 1GbE (10/100/1000)
- LAN Chipset: Intel GbE LAN chip
- Wireless LAN: No Integrated WLAN

Drive Interface

- SATA III Ports (6GB): 4
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

Chassis Specifications:

General

- Form Factor: 2U Rackmount
- Front Changeable Air Filter
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

Expansion

- Low Profile Slots: 7
- Internal 3.5" Bays: 2
- Internal 2.5" Bays: 4

Front Ports

- USB 3.2 Ports (Front): 2

Cooling System

- Maximum Fan Count: 3

Physical

- Depth: 13.13"
- Width: 17"
- Height: 3.50"
- Shipping Box - Depth: 20"
- Shipping Box - Width: 17"
- Shipping Box - Height: 9"
- Shipping Weight: 12lbs

Other Features

- Chassis Warranty: 1 Year

Power

- Remote Server Management:

- PCI Express x1 Slots On Motherboard: 2

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
 - PCIe Signal
 - 2242 - 22 mm x 42 mm.
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
 - PCIe Signal
 - 2242 - 22 mm x 42 mm.
 - 2260 - 22 mm x 60 mm.
 - 2280 - 22 mm x 80 mm.

Rear IO

- PS/2 Mouse on IO
- PS/2 Keyboard on IO
- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 2
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 2
- Parallel Ports: 1
- FAN Connectors: 2
- Audio on Headers
- Chassis Intrusion

Environmental

- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- High Humidity: 90%
- Low Humidity: 5%

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 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
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Features:

Expansion Slots

Intel 13th & 12th Gen Processors

1 x PCIe 4.0/3.0 x16 slot

Intel B760 Chipset

2 x PCIe 3.0 x1 slots

Note: To ensure compatibility of the device installed, please refer

to <https://www.asus.com/support/> for the list of supported peripherals.

Storage

Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports*

Intel 13th & 12th Gen Processors

M.2_1 slot (Key M), type 2242/2260/2280
(supports PCIe 4.0 x4 mode)

Intel B760 Chipset

M.2_2 slot (Key M), type 2242/2260/2280
(supports PCIe 4.0 x4 mode)

4 x SATA 6Gb/s ports

* Intel Rapid Storage Technology supports SATA RAID 0/1/5/10.

- Motherboard Warranty: 1 Year



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