

# 1U Rack Mount Industrial PC Rackmount

Configuration Number: BASE CONFIG  
SL-1U-AB660M-LA



## Type:

- 1U Rack Mount Industrial PC
- Depth: 14", Max Card Depth: 8"

## Motherboard:

- Featuring Intel B660 Chipset and 12th Gen Core, Pentium Gold and Celeron (LGA1700) processor
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **Video:** VGA + DisplayPort + HDMI
- **Audio:** 7.1 CH HD Audio (Realtek ALC897 Audio Codec)
- **Ports:**
  - 5x USB 2.0 Ports ( 2 Rear, 3 Internal Headers )
  - 5x USB 3.2 Gen 1 Ports ( 3 Rear, 2 Internal Headers )
  - 1x USB 3.2 Gen 1 Type-C Port (Rear)
  - 1x COM Port (RS232 Internal Headers)

See specifications for more ports
- **Operating Temperature:** 5°C to 50°C (41°F to 122°F)

## Configuration summary:

- **Processor:** G7400- 3.70GHz Intel Pentium Gold CPU - Dual Core, 6MB Cache, UHD Graphics 710 (Base 46W) (ERM)
- **Memory:** 8GB DDR4 3200MHz RAM
- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 200W ATX12V Power Supply
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: MicroATX

### Supported CPU

- Number of Processors: 1
- Processor Type: 12th Gen Core, Pentium Gold and Celeron (LGA1700)

### Chipset

- Chipset: Intel B660 Chipset

### Memory

- Memory Type: DDR4 2666MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 64GB

### On Board Audio

- Audio Type: 7.1 CH HD Audio (Realtek ALC897 Audio Codec)

### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: VGA + DisplayPort + HDMI
- VGA Port Out: 1
- Display Port Out: 1
- HDMI Out: 1

### LAN

- LAN Ports: 1
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Intel i219V
- 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

### M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 2
- M.2 Slot #1 Specs
- PCIe Signal

## Chassis Specifications:

### General

- Form Factor: 1U Rackmount
- Color: Black & Silver
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: ATX
- Slide Rails: Optional

### Expansion

- Full Height Slots: 1
- Max Card Depth: 8"
- Internal 3.5" Bays: 2

### Cooling System

- Maximum Fan Count: 1
- Included Fans: 1

### Physical

- Depth: 14"
- Depth (Inches): 14
- Width: 16.80"
- Height: 1.75"
- Shipping Box - Depth: 22"
- Shipping Box - Width: 21"
- Shipping Box - Height: 7"
- Shipping Weight: 13lbs

### Compliance of Component

- CE
- FCC
- CCC

### Other Features

- Chassis Warranty: 1 Year

### Power

- Built-in Chassis Power Supply: 200W ATX12V Power Supply
- Remote Server Management:

- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.
- M.2 Slot #2 Specs
- M.2 SATA SSD
- PCIe Signal
- 2260 - 22 mm x 60 mm.
- 2280 - 22 mm x 80 mm.

#### **Rear IO**

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 3
- USB 3.2 Gen 1 Type C Ports (on I/O): 1
- Audio on IO

#### **Headers**

- USB 2.0 Ports (on Headers): 3
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 4
- Audio on Headers
- TPM Support: Via 2.0 Header

#### **Environmental**

- Operating Temperature: 5°C to 50°C (41°F to 122°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 Home (64 Bit)
- 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
- FCC

#### **Other Features**

- Features:

Note:

- - 1 x PCIe Gen4x16 Slot\*
  - 2 x PCIe Gen3x1 Slots
  - 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module
  
- - 1 x Hyper M.2 Socket (M2\_1, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode\*\*
  - 1 x Ultra M.2 Socket (M2\_2, Key M), supports type 2260/2280 SATA3 6.0 Gb/s & PCIe Gen3x4 (32 Gb/s) modes\*\*

\* Access to PCI Express slot requires expansion slot and a riser in some chassis models. Please check Chassis Specification section for more information.

If you have any questions, please discuss with our Sales Engineers.

- Motherboard Warranty: 1 Year



www.superlogics.com  
Phone: 1-508-650-9500

sales@superlogics.com  
Fax: 1-508-650-9525