HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-19A-AH610I-S18

Type:

- Panel PC
- **Screen:**
  - 19" 5-Wire Resistive, Native Resolution: 1280 x 1024, Front Panel Rating: IP65 / NEMA4
- **Mounting:** Bezel Mounting Hardware Included, Suitable for Mounting in Cut-Out

Motherboard:

- Featuring Intel H610 Chipset and 14th/13th/12th Gen Intel Core™/Pentium™/Celeron™, LGA1700 processor
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **WiFi:** Wi-Fi 6 + BT 5.2
- **Video:** 1x VGA, 1x DisplayPort, 1x HDMI
- **Audio:** Realtek Audio CODEC
- **Ports:**
  4x USB 2.0 Ports (2 Front, 2 Rear)
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  1x COM Port (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 5ºC to 40ºC (41ºF to 104ºF)

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:** 8GB DDR4 3200MHz RAM
- **Hard Drive:** 500GB M.2 2280 NVMe SSD or greater 5,000/3,000MB/s
- **Power Supply:** 160w output, 12v input

DC-DC Power Supply - AC Adapter Included
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MiniITX

Supported CPU
- Number of Processors: 1
- Processor Type: 14th/13th/12th Gen Intel Core™/Pentium™/Celeron™, LGA1700

Chipset
- Chipset: Intel H610 Chipset

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

On Board Audio
- Audio Type: Realtek Audio CODEC

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: 1x VGA, 1x DisplayPort, 1x HDMI
- VGA Port Out: 1
- Display Port Out: 1
- HDMI Out: 1

LAN
- LAN Ports: 1
- LAN Type and IPMI: 1GbE (10/100/1000)
- LAN Chipset: Realtek 1GbE LAN
- Wireless LAN: Wi-Fi 6 + BT 5.2

Drive Interface
- SATA III Ports (6GB): 4

M.2 Slot Specs
- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- 2260 - 22 mm x 60 mm.

Display Specifications

Display
- Screen Size (inches): 19
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 5 : 4
- Native Display Resolution: 1280 x 1024
- Brightness (nits): 350
- Screen Refresh Rate: 60Hz
- Display Area (H): 376.32mm
- Display Area (V): 301.07mm
- Aspect Ratio: 5 : 4
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- Backlight: LED
- Viewing Angle(U) : 80
- Viewing Angle(D) : 80
- Viewing Angle(L) : 80
- Viewing Angle(R) : 80

Connectivity
- HDMI In: 1
- Display Port In: 1
- Touchscreen Interface USB Port (Front): 1

Mounting Options
- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Bezel Mounting Hardware Included, Other options sold separately
- Suggested Cut-Out Dimension (Width):
- Suggested Cut-Out Dimension (Height):

Physical
- Width:
- Height:
- Depth:
- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 14lbs

- 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): 2
- Audio on IO

Headers

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

Environmental

- Operating Temperature: 5ºC to 40ºC (41ºF to 104ºF)
- 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 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

Compliance of Component

- UL
- RoHS
- FCC

Other Features

- Other Features:
  Expansion Slot
    - 1 x PCIe 4.0 x16 Slot (PCIE1), supports x16 mode*

  * 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.

- Shipping Weight: 40lbs

Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%
- Low Humidity: 8%
- Storage Temp (High): 60C
- Storage Temp (Low): -10C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 8%

Power

- Power Supply: AC 100~240V/12V DC
- Power Consumption (on): 18Watts

Compliance of Component

- CE
- RoHS
- CCC

Warranty

- Warranty: 1 year

Other

- Features:
  Industrial Display
    - Screen Size: 19"
    - Touch Type: 5-Wire Resistive
    - Front Panel Rating: IP65 / NEMA4
    - Native Display Resolution: 1280 x 1024
    - Brightness (nits): 350
    - Wide Voltage 9-36VDC

- Motherboard Warranty: 1 Year

Chassis Specifications:

General

- Form Factor: Micro PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX
- Slide Rails: Optional

Expansion

- Full Height Slots: 1
- Max Card Depth: 7.5""
- Internal 2.5" Bays: 2
- Serial Port Punchouts: 3
- Parallel Port Punchouts: 1
- Antennae Punchout: 2

Front Ports

- USB 2.0 Ports (Front): 2

Cooling System

- Maximum Fan Count: 2

Physical

- Depth: 2.60"
- Depth (Inches): 2.6
- Width: 12.30"
- Height: 8.27"
- Shipping Box - Depth: 16"
- Shipping Box - Width: 16"
- Shipping Box - Height: 8"
- Shipping Weight: 11lbs

Other Features

- Chassis Warranty: 1 Year

Power

- Built-in Chassis Power Supply: AC/DC Power Adapter Included