

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-22AWHD-AH610I-S19



### 21.5" Open Frame Widescreen

#### Type:

- Panel PC
- **Screen:**
  - 21.5" Multi-Touch Projected Capacitive, Native Resolution: 1920 x 1080, Front Panel Rating: Not Rated
- **Mounting:** Suitable for Mounting in Cut-Out

#### Motherboard:

- Featuring Intel H610 Chipset and 12th Gen Core, Pentium Gold and Celeron (LGA1700) processor
- **Low Profile Slots:**
  - 1 - PCIe x16
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **WiFi:** Wireless AC + BT
- **Video:** 1x DisplayPort + HDMI
- **Audio:** Realtek ALC897
- **Ports:**
  - 4x USB 2.0 Ports ( 2 Front, 2 Rear )
  - 4x USB 3.2 Gen 1 Ports ( 2 Rear, 2 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:** 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: 12th Gen Core, Pentium Gold and 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 ALC897

#### On Board Video

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

#### LAN

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

#### Drive Interface

- SATA III Ports (6GB): 4

#### Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

### Display Specifications

#### Display

- Screen Size (inches): 21.5
- Touch Type: Multi-Touch Projected Capacitive
- Aspect Ratio: 16 : 9
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 250
- Screen Refresh Rate: 60Hz
- Display Area (H): 476.06mm
- Display Area (V): 267.79mm
- Aspect Ratio: 16 : 9
- DisplayColors: 16.7 M
- Contrast Ratio: 3000:1
- Backlight: LED
- Viewing Angle(U) : 178
- Viewing Angle(D) : 178
- Viewing Angle(L) : 178
- Viewing Angle(R) : 178

#### 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, 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.

**M.2 Slot Specs**

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- PCIe Signal
- 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
- FAN Connectors: 2
- Audio on Headers

**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)
- 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 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- LINUX Ubuntu Desktop
- Ubuntu Server Edition

**Compliance of Component**

- CE
- 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

- Unboxed Weight: 12lbs
- Shipping Weight: 18lbs

**Environmental**

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%
- Low Humidity: 5%
- Storage Temp (High): 60C
- Storage Temp (Low): -20C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 5%

**Power**

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

**Compliance of Component**

- CCC

**Warranty**

- Warranty: 1 year

**Other**

- Built-in Chassis Power Supply: Wide Voltage 9-36VDC Input
- Features:

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Display Specifications

- Display
- Screen Size: 21.5"
- Touch Type: Multi-Touch Projected Capacitive
- Front Panel Rating: Not Rated
- Color: Black
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 250
- Aspect Ratio: 16 : 9
- DisplayColors: 16.7 M
- Contrast Ratio: 3000:1
- Backlight: LED
- Wide Voltage 9-36VDC Power input
- Connectivity
- Displayport: 1
- HDMI In: 1

information.

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

- Motherboard Warranty: 1 Year

#### Chassis Specifications:

##### **General**

- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX

##### **Expansion**

- Low Profile Slots: 1
- Max Card Depth: 7.5"
- Internal 2.5" Bays: 2
- Serial Port Punchouts: 2
- Parallel Port Punchouts: 1

##### **Front Ports**

- USB 2.0 Ports (Front): 2

##### **Cooling System**

- Maximum Fan Count: 2

##### **Physical**

- Depth: 8.30"
- Depth (Inches): 8.27
- Width: 8"
- Height: 3.50"
- Shipping Box - Depth: 150mm
- Shipping Box - Width: 380mm
- Shipping Box - Height: 27mm
- Shipping Weight: 13lbs

##### **Other Features**

- Chassis Warranty: 1 Year

##### **Power**

- Built-in Chassis Power Supply: Power Adapter  
Included



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