

# HMI Panel PC Panel PC

Configuration Number: BASE CONFIG

SL-PPC-19A-AH610I-S19





# 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 12th Gen Core, Pentium Gold and Celeron (LGA1700) processor
- Low Profile Slots:
  - 1 PCle 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
- 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:

# Display 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

#### M.2 Slot Specs

• Total M.2 NVMe SSD Slots: 1

#### **Display**

• Screen Size (inches): 19

• Touch Type: 5-Wire Resistive

Front Panel Rating: IP65 / NEMA4

Aspect Ratio: 5 : 4Native 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

• DVI-I In: 1

• 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.

- 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 PCle 4.0 x16 Slot (PClE1), 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

Unboxed Weight: 14lbsShipping 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

#### Sales Engineers.

• Motherboard Warranty: 1 Year

# **Chassis Specifications:**

#### General

• Form Factor: Embedded PC

• Color: Black

Material: Metal/SteelMaterial 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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