

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG

SL-PPC-12A-AH610I-S19





Type:

- Panel PC
- Screen:
 - 12" 5-Wire Resistive, Native Resolution: 800 x 600, 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 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:

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): 12

• Touch Type: 5-Wire Resistive

• Front Panel Rating: IP65 / NEMA4

• Aspect Ratio: 4:3

• Native Display Resolution: 800 x 600

• Brightness (nits): 400

• Screen Refresh Rate: 60Hz

• Display Area (H): 246mm

• Display Area (V): 184.50mm

• Aspect Ratio: 4:3

• DisplayColors: 16.2 M

• Contrast Ratio: 600:1

• Backlight: LED

• Viewing Angle(U): 65

• Viewing Angle(D): 75

• 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: 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: 9lbs

• Shipping Weight: 25lbs

- 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

Environmental

- MTBF: 50000hours
- Maximum Operating Temperature: 80C
- High Humidity: 90%Low Humidity: 8%
- Storage Temp (High): 80C
- Storage Temp (Low): -30C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 8%

Power

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

Compliance of Component

- CF
- CCC

Warranty

• Warranty: 1 year

Other

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

Industrial Display

- Screen Size: 12"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Native Display Resolution: 800 x 600
- Brightness (nits): 400
- Wide Voltage Input (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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