

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG

SL-PPC-24A-AH610I-S18





Type:

- Panel PC
- Screen:
 - 24" Multi-Touch Projected Capacitive, Native Resolution: 1920 x 1080, 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
- 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

M.2 Slot Specs

• Total M.2 NVMe SSD Slots: 1

• M.2 Slot #1 Specs

M.2 SATA SSD

• PCle Signal

• 2280 - 22 mm x 80 mm.

Display Specifications

Display

• Screen Size (inches): 24

• Touch Type: Multi-Touch Projected Capacitive

• Front Panel Rating: IP65 / NEMA4

• Aspect Ratio: 16:9

• Native Display Resolution: 1920 x 1080

Brightness (nits): 250
Screen Refresh Rate: 60Hz
Display Area (H): 531.36mm
Display Area (V): 298.89mm

Aspect Ratio: 16:9
DisplayColors: 16.2 M
Contrast Ratio: 1000:1

• Backlight: LED

Viewing Angle(U): 80
Viewing Angle(D): 80
Viewing Angle(L): 85
Viewing Angle(R): 85

Connectivity

VGA Port In: 1DVI-I In: 1HDMI In: 1

• S-Video: 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.

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 (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.

• Motherboard Warranty: 1 Year

Unboxed Weight: 20lbs

• Shipping Weight: 50lbs

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): 21Watts

Compliance of Component

- CE
- RoHS
- FCC
- CCC

Warranty

• Warranty: 1 year

Other

• Features:

Industrial Display

• Screen Size: 24"

 Touch Type: Multi-Touch Projected Capacitive

• Front Panel Rating: IP65 / NEMA4

• Native Display Resolution: 1920 x 1080

• Brightness (nits): 250

Chassis Specifications:

General

• Form Factor: Micro PC

· Color: Black

Material: Metal/SteelMaterial 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



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