HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-13AWHD-AH610I-S19

Type:

- Panel PC
- **Screen:**
  - 13.3" 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:** 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:** 5ºC to 50ºC (41ºF to 122ºF)

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:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980

- **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: 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

Display Specifications

Display
- Screen Size (inches): 13.3
- Touch Type: Multi-Touch Projected Capacitive
- Aspect Ratio: 16 : 9
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 220
- Screen Refresh Rate: 60Hz
- Display Area (H): 293.76mm
- Display Area (V): 165.24"
- Aspect Ratio: 16 : 9
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- 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.
- Unboxed Weight: 6lbs
- Shipping Weight: 11lbs

- 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: 5ºC to 50ºC (41ºF to 122ºF)
- 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 information.

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): 10Watts

Compliance of Component
- RoHS

Warranty
- Warranty: 1 year

Other
- Built-in Chassis Power Supply: 9-36VDC Power Input
- Features:
  13.3" Open Frame Full HD Touch Widescreen - Mounting ears not removable

  Display Specifications

  - Display
  - Screen Size: 13.3"
  - Touch Type: Multi-Touch Projected Capacitive
  - Front Panel Rating: Not Rated
  - Color: Black
  - Native Display Resolution: 1920 x 1080
  - Brightness (nits): 220
  - Aspect Ratio: 16 : 9
  - DisplayColors: 16.7 M
  - Contrast Ratio: 1000:1
  - Backlight: LED
  - 9-36VDC Power Input

  - Connectivity
  - DisplayPort In: 1
  - HDMI In: 1

- 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