

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-24A-LLH410I-VA



### 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 H410 Chipset and 10th Gen Intel Core i7, i5, i3/Pentium/Celeron, LGA1200 processor
- **Long Production Cycle Motherboard (Through Q4 2026)**
- **No Available Slots**
- **LAN:** 2x Ports (1GbE + 1GbE)
- **Video:** 1x VGA, 1x DisplayPort, 1x HDMI
- **Audio:** Realtek ALC897
- **Ports:**
  - 4x USB 2.0 Ports ( 4 Rear )
  - 2x USB 3.2 Gen 1 Ports ( 2 Rear )
  - 6x COM Ports (1 RS232 Rear, 4 RS232 Internal Headers, 1 RS232/422/485 Rear)
  - See specifications for more ports
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)

### Configuration summary:

- **Processor:** G5905- 3.50GHz Intel Celeron CPU - Dual Core, 4MB Cache, UHD Graphics 610 (58W)
- **Memory:** 8GB DDR4 3200MHz SODIMM RAM
- **Hard Drive:** 250GB SSD SATA 6.0Gb/s

- 560/530MB/s 2.5" - Samsung 870 EVO
- **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
- Long Life: YES
- EOL Date: Q4 2026

#### Supported CPU

- Number of Processors: 1
- Processor Type: 10th Gen Intel Core i7, i5, i3/Pentium/Celeron, LGA1200

#### Chipset

- Chipset: Intel H410 Chipset

#### Memory

- Memory Type: SO DIMM 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 VGA, 1x DisplayPort, 1x HDMI
- VGA Port Out: 1
- Display Port Out: 1
- Embedded DisplayPort Out: 1
- HDMI Out: 1

#### LAN

- LAN Ports: 2
- LAN Type and IPMI: 1GbE + 1GbE
- LAN Chipset: Intel i211AT
- Second LAN Chipset: Intel i219LM
- Wireless LAN: No Integrated WLAN

### 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

- 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 >

### Drive Interface

- SATA III Ports (6GB): 2

### Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

### Mini PCIe

- mini PCIe
- USB and PCIe signals (Internal)
- half and/or full size mini PCIe card: full size

### M.2 Slot Specs

- 2242 - 22 mm x 42 mm.
- 2280 - 22 mm x 80 mm.

### Rear IO

- USB 2.0 Ports (on IO): 4
- USB 3.2 Gen 1 Type A Ports (on IO): 2
- Serial (Rear IO): 1
- Serial 232/422/485 Ports: 1
- Audio on IO

### Headers

- Serial (via Headers): 4
- FAN Connectors: 2
- TPM Support: TPM via Intel Platform Trust Technology

### Management Features

- Watch Dog

### Environmental

- Operating Temperature: 0°C to 60°C (32°F to 140°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 Pro (64 Bit)
- Windows 11 IoT 2024 LTSC Value
- Windows 11 IoT 2024 LTSC High End
- LINUX Ubuntu Desktop

### Other Features

- Other Features:  
One PCI-Express x16 slot.  
One PCI-Express Mini Card

Mechanical Drawings.

- 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

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

One M.2 Key B type 2242/2280/3042/3052  
includes PCIe x2, PCIe + SATA3.0, PCIe  
+ USB 3.2 GEN1 interfaces

One M.2 Key E type 2230 with PCIe x1 and  
USB2.0.

- Motherboard Warranty: 1 Year

## Chassis Specifications:

### General

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

### Expansion

- Internal 2.5" Bays: 1
- Antennae Punchout: 1

### Cooling System

- Maximum Fan Count: 1

### Physical

- Depth: 210mm
- Depth (Inches): 8.27
- Width: 192mm
- Height: 62mm
- Shipping Box - Depth: 13"
- Shipping Box - Width: 9"
- Shipping Box - Height: 5"
- Shipping Weight: 8lbs

### Compliance of Component

- RoHS

### Other Features

- Chassis Warranty: 1 Year

### Power

- Built-in Chassis Power Supply: AC/DC Power  
Adapter Included



www.superlogics.com  
Phone: 1-508-650-9500

sales@superlogics.com  
Fax: 1-508-650-9525