

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-24A-AH370I-S17



(Not all images available on web site)

### 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 H370 Chipset and 8th and 9th Gen Core i7/i5/i3 (LGA1151) processor
- **No Available Slots**
- **LAN:** 2x Ports (GB (10/100/1000))
- **WiFi:** Integrated Intel 802.11ac WiFi Module + Bluetooth 4.2 - Removable Under Networking Section
- **Video:** Dual HDMI + DisplayPort
- **Audio:** 7.1+2 Channel HD Audio by Realtek ALC892
- **Ports:**
  - 4x USB 2.0 Ports ( 2 Front, 2 Rear )
  - 4x USB 3.2 Gen 1 Ports ( 2 Rear, 2 Internal Headers )
  - 4x USB 3.2 Gen 2 Ports ( 4 Rear )
  - See specifications for more ports
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)

### Configuration summary:

- **Processor:** G4900 - 3.1GHz Intel Celeron CPU - Dual Core, 2MB Cache, UHD Graphics 610 (54W) (ERM) - or Better
- **Memory:** 8GB DDR4 2666MHz RAM

- **Hard Drive:** 250GB NVMe SSD M.2 2.9GB/1.3GB - Samsung 980
- **Power Supply:** 90w 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: 8th and 9th Gen Core i7/i5/i3 (LGA1151)

#### Chipset

- Chipset: Intel H370 Chipset

#### Memory

- Memory Type: DDR4 2400MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

#### On Board Audio

- Audio Type: 7.1+2 Channel HD Audio by Realtek ALC892

#### On Board Video

- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: Dual HDMI + DisplayPort
- Display Port Out: 1
- HDMI Out: 2

#### LAN

- LAN Ports: 2
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i219V
- Second LAN Chipset: Intel i211AT
- Wireless LAN: Integrated Intel 802.11ac WiFi Module + Bluetooth 4.2 - Removable Under Networking Section

### 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: 1
- DVI-I In: 1
- HDMI 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:

### Drive Interface

- SATA III Ports (6GB): 6
- RAID
- RAID Type: Software RAID
- RAID Levels Supported on Motherboard: 0, 1, 5, 10

### Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

### M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- PCIe Signal
- 2230 - 22 mm x 30 mm.
- 2242 - 22 mm x 42 mm.
- 2260 - 22 mm x 60 mm.
- 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
- USB 3.2 Gen 2 Type A Ports (on IO): 4
- Audio on IO

### Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.2 Gen 1 Ports (on Headers): 2
- FAN Connectors: 3
- Chassis Intrusion
- TPM Support: Via 2.0 Header

### Environmental

- Operating Temperature: 0°C to 50°C (32°F to 122°F )
- High Humidity: 90%
- Low Humidity: 5%

### Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Value
- Windows 10 IoT Ent
- Windows 10 IoT Value 2019 LTSC
- Windows 10 IoT Ent 2019 LTSC
- LINUX Ubuntu Desktop

### Compliance of Component

- UL
- CE
- RoHS

- Height:
- Depth:
- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 20lbs
- Shipping Weight: 50lbs

### Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- Low Operating Temp: 00
- 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

- FCC

#### Other Features

- Other Features:
  - 1 x PCI Express 3.0 x16 Slot (PCI-E1: x16 mode)\*
  - 1 x Vertical M.2 Socket (Key E) with the bundled WiFi-802.11ac module (on the rear I/O)
  - 1 x Ultra M.2 Socket, supports M Key type 2230/2242/2260/2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen3 x4 (32 Gb/s)\*\*

\*If M2\_1 is occupied by a SATA-type M.2 device, SATA3\_1 will be disabled.

#### \*\*Supports

Intel® Optane™

Technology

Supports NVMe SSD as

boot disks

Supports ASRock U.2 Kit

\*To configure 7.1 CH HD \* Access to PCI Express Audio, it is required to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver. 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

#### 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
- Serial Port Punchouts: 2
- Parallel Port Punchouts: 1

- Antennae Punchout: 2

#### **Front Ports**

- USB 2.0 Port (Front): 2

#### **Cooling System**

- Maximum Fan Count: 1

#### **Physical**

- Depth: 8.27"
- Depth (Inches): 8.27
- Width: 7.60"
- Height: 2.60"
- Shipping Box - Depth: 13"
- Shipping Box - Width: 9"
- Shipping Box - Height: 5"
- Shipping Weight: 8lbs

#### **Other Features**

- Chassis Warranty: 1 Year

#### **Power**

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



[www.superlogics.com](http://www.superlogics.com)  
Phone: 1-508-650-9500

[sales@superlogics.com](mailto:sales@superlogics.com)  
Fax: 1-508-650-9525