# HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-15A-AH510I-S17-NF

## Type:

- Fanless Panel PC
- **Screen:**
  - 15" 5-Wire Resistive, Native Resolution: 1024 x 768, Front Panel Rating: IP65 / NEMA4
- **Mounting:** Bezel Mounting Hardware Included, Suitable for Mounting in Cut-Out

## Motherboard:

- Featuring Intel H510 Chipset and 10th/11th Gen Core i7/i5/i3 (LGA1200) processor
- **No Available Slots**
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **WiFi:** Integrated Intel 802.11ac WiFi Module + Bluetooth 4.2 - Removable Under Networking Section
- **Video:** DisplayPort + HDMI
- **Audio:** 7.1 CH HD Audio (Realtek ALC897 Audio Codec)
- **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:** 0ºC to 50ºC (32ºF to 122ºF)

## Configuration summary:

- **Processor:** i3-10100T - 3.0GHz (up to 3.80GHz) Intel Hexa-Core (4 cores) CPU - 6MB Cache, UHD Graphics 630 (35W)
- **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
- Fanless

### Supported CPU
- Number of Processors: 1
- Processor Type: 10th/11th Gen Core i7/i5/i3 (LGA1200)

### Chipset
- Chipset: Intel H510 Chipset

### Memory
- Memory Type: DDR4 2666MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 64GB

### On Board Audio
- Audio Type: 7.1 CH HD Audio (Realtek ALC897 Audio Codec)

### 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: Integrated Intel 802.11ac WiFi Module + Bluetooth 4.2 - Removable Under Networking Section

### Drive Interface
- SATA III Ports (6GB): 4

## Display Specifications

### Display
- Screen Size (inches): 15
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 4:3
- Native Display Resolution: 1024 x 768
- Brightness (nits): 450
- Screen Refresh Rate: 60Hz
- Display Area (H): 304.13mm
- Display Area (V): 228.10mm
- Aspect Ratio: 4:3
- DisplayColors: 16.2 M
- Contrast Ratio: 800:1
- Backlight: LED
- Viewing Angle(U) : 80
- Viewing Angle(D) : 80
- 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: 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.

**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
- 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: 3

**Environmental**

- Operating Temperature: 0ºC to 50ºC (32ºF to 122ºF )
- High Humidity: 95%
- Low Humidity: 5%

**Operating System Support**

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- 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 Pro for WS (64 Bit)
- LINUX Ubuntu Desktop

**Compliance of Component**

- CE
- FCC

**Other Features**

- Features:
  11th Gen Intel Core™ Processors
  - 1 x PCI Express 4.0 x16 Slot*.

  Supports PCIe Gen 4 NVMe SSD

  10th Gen Intel Core™ Processors
  - 1 x PCI Express 3.0 x16 Slot*

  Supports PCIe Gen 3 NVMe SSD

- Unboxed Weight: 11lbs
- Shipping Weight: 30lbs

**Environmental**

- MTBF: 70000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%
- Low Humidity: 8%
- Storage Temp (High): 85C
- 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**

- CE
- RoHS
- FCC
- CB
- CCC

**Warranty**

- Warranty: 1 year

**Other**

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

Industrial Display

- Screen Size (inches): 15"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 4:3
- Native Display Resolution: 1024 x 768
- Brightness (nits): 450
- Ports: VGA Port In, DVI-I In, HDMI In
- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Bezel Mounting Hardware Included, Other options sold separately
- Wide Voltage Input (9-36VDC)

- Motherboard Warranty: 1 Year

## Chassis Specifications:

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

### Expansion
- Serial Port Punchouts: 2
- Parallel Port Punchouts: 1
- Antennae Punchout: 2

### Front Ports
- USB 2.0 Ports (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