HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-19A-J5040-S17

Type:

- Panel PC
- **Screen:**
  - 19" 5-Wire Resistive, Native Resolution: 1280 x 1024, Front Panel Rating: IP65 / NEMA4
- **Mounting:** Bezel Mounting Hardware Included, Suitable for Mounting in Cut-Out

Motherboard:

- Featuring Intel Pentium SoC and Intel Pentium Quad-Core Processor J5040 (up to 3.2 GHz)
- **No Available Slots**
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **Video:** VGA + DVI-D + HDMI
- **Audio:** Realtek ALC892
- **Ports:**
  5x USB 2.0 Ports (2 Front, 2 Rear, 1 Internal Headers)
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  1x COM Port (RS232 Internal Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 50ºC (32ºF to 122ºF)

Configuration summary:

- **Memory:** 8GB DDR4 2666MHz SODIMM RAM
- **Hard Drive:** 250GB SSD SATA 6.0Gb/s 560/530MB/s 2.5" - Samsung 870 EVO
- **Power Supply:** 90w output, 12v input DC-DC Power Supply - AC Adapter Included
- **Operating System:** Not Included -

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MiniITX

Supported CPU
- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Pentium Quad-Core Processor J5040 (up to 3.2 GHz)

Chipset
- Chipset: Intel Pentium SoC

Memory
- Memory Type: DDR4 2400MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 8GB

On Board Audio
- Audio Type: Realtek ALC892

On Board Video
- Video Chipset: Supported by CPU - depends on CPU selected
- Video on IO: VGA + DVI-D + HDMI
- VGA Port Out: 1
- DVI-D Out: 1
- HDMI Out: 1

LAN
- LAN Ports: 1
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Realtek RTL8111H
- Wireless LAN: No Integrated WLAN

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

Expansion Slots
- PCI Express x1 Slots On Motherboard: 1

M.2 Slot Specs
- M.2 Slot #1 Specs

Display Specifications

Display
- Screen Size (inches): 19
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 5 : 4
- Native Display Resolution: 1280 x 1024
- Brightness (nits): 350
- Screen Refresh Rate: 60Hz
- Display Area (H): 376.32mm
- Display Area (V): 301.07mm
- Aspect Ratio: 5 : 4
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- Backlight: LED
- Viewing Angle(U) : 80
- Viewing Angle(D) : 80
- Viewing Angle(L) : 80
- Viewing Angle(R) : 80

Connectivity
- VGA Port In: 1
- DVI-I In: 1
- HDMI 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): Click Available Downloads Tab > Mechanical Drawings
- Suggested Cut-Out Dimension (Height): Click Available Downloads Tab > Mechanical Drawings

Physical
- Width: Click Available Downloads Tab > Mechanical Drawings
- Height: Click Available Downloads Tab > Mechanical Drawings
- Depth: Click Available Downloads Tab > Mechanical Drawings

- PCIe Signal
- 2230 - 22 mm x 30 mm.

Rear IO
- PS/2 Mouse on IO
- PS/2 Keyboard on IO
- USB 2.0 Ports (on IO): 2
- USB 3.2 Gen 1 Type A Ports (on IO): 2
- SPDIF Connector: 1
- Audio on IO

Headers
- USB 2.0 Ports (on Headers): 3
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 2
- Audio on Headers

Environmental
- Operating Temperature: 0ºC to 50ºC (32ºF 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 Entry 2019 LTSC
- Windows 10 IoT 2021 LTSC Entry
- Windows 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- Windows 11 IoT 2024 LTSC Entry
- LINUX Ubuntu Desktop

Compliance of Component
- CE
- FCC

Other Features
- Other Features:
  *USB3_0_1 is shared with USB_0_1.

- Motherboard Warranty: 1 Year

Chassis Specifications:

General
- Form Factor: Micro PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm

- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 14lbs
- Shipping Weight: 40lbs

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): 18Watts

Compliance of Component
- CE
- RoHS
- CCC

Warranty
- Warranty: 1 year

Other
- Features:
  ## Industrial Display

  - Screen Size: 19"
  - Touch Type: 5-Wire Resistive
  - Front Panel Rating: IP65 / NEMA4
  - Native Display Resolution: 1280 x 1024
  - Brightness (nits): 350

- 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 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