

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-19A-AH310I-S19



Type:

Panel PC

Screen:

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 H310 Chipset and 8th and 9th Gen Core i7/i5/i3 (LGA1151) processor

Low Profile Slots:

1 - PCIe x16

LAN: 1x GB (10/100/1000)

Video: DVI-I + HDMI + DisplayPort

Audio: 8-Channel HD Audio by Realtek ALC887

Ports:

4x USB 2.0 Ports (2 Front, 2 Rear)

4x USB 3.1 Ports (2 Rear , 2 via internal headers)

See specifications for more ports

Operating Temperature: 0°C to 50°C (32°F to 122°F)

Also Included:

Processor: G4900 - 3.1GHz Intel Celeron CPU - Dual Core , 2MB Cache, UHD Graphics 610 (54W) - or Better [Upgradeable]

Memory: 4GB DDR4 2400MHz RAM [Upgradeable]

Hard Drive: 500GB SATA 6Gb/s 7200 RPM 32MB 2.5" WD Black [Upgradeable]

Power Supply: 160w output, 12v input DC-DC Power Supply - AC Adapter Included

Operating System: Not Included -

Warranty: One-Year Depot Warranty [Upgradeable]

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 H310 Chipset

Memory

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

On Board Audio

- Audio Type: 8-Channel HD Audio by Realtek ALC887

On Board Video

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

LAN

- LAN Ports: 1
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i219V
- Wireless LAN: Integrated 802.11ac Wireless LAN/Bluetooth 4.2 - Removable Under Networking Section

Drive Interface

- SATA III Ports (6GB): 4

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

mini PCIe

M.2

- M.2 NVMe: 1

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
- Display Area (H): 376.32mm
- Display Area (V): 301.066mm
- 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

Mounting Options

- Mounting Options: Bezel Mounting Hardware Included, Other options sold separately
- Suggested Cut-Out Dimension (Width): 441mm
- Suggested Cut-Out Dimension (Height): 343mm
- Width: 18.5inches
- Height: 14.6inches
- Depth: 2.2inches
- Depth (Inches): 2.2
- Unboxed Weight: 14lbs
- Shipping Weight: 40lbs
- 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

- M.2
- SATA
- 80mm

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 2
- USB 3.1 Type A Ports (on IO): 2
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.1 Ports (on Headers): 2
- FAN Connectors: 2
- Audio on Headers
- Chassis Intrusion

Environmental

- 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
- LINUX Ubuntu Workstation

Compliance of Component

- CE
- RoHS
- FCC

Other Features

- Other Features: - 1 x PCI Express 3.0 x16 Slot (PCIe1: x16 mode)* - 1 x Vertical M.2 Socket (Key E) with the bundled WiFi-802.11ac module (on the rear I/O) *Supports NVMe SSD as boot disks 1 x M.2 Socket, supports M Key type 2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen2 x4 (20 Gb/s)** *If M2_1 is occupied by a SATA-type M.2 device, SATA3_0 will be disabled.
- Motherboard Warranty: 1 Year

- Power Supply: AC 100~240V/12V DC

Compliance of Component

- CE
- RoHS
- FCC

Environmental

- Power Consumption (on): 18Watts

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

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 Port (Front): 2

Cooling System

- Maximum Fan Count: 2

Physical

- Depth: 8"
- Depth (Inches): 8
- Width: 8.30"
- Height: 3.50"
- Shipping Box - Depth: 150mm
- Shipping Box - Width: 380mm
- Shipping Box - Height: 27mm

- Shipping Weight: 13lbs

Compliance of Component

- RoHS
- FCC

Other Features

- Chassis Warranty: 1 Year

Power

- Built-in Chassis Power Supply: Power Adapter Included



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