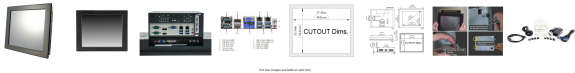


HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-19A-LLH110A-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 H110 Chipset and 7th and 6th Gen Core i7/i5/i3 (LGA1151) processor

Long Production Cycle Motherboard (Through Q3 2022)

Low Profile Slots:

1 - PCIe x16

LAN: 2x GB (10/100/1000)

Video: VGA + DisplayPort + HDMI

Audio: Intel HD Audio

Ports:

4x USB 2.0 Ports (2 Front 2 via internal headers)

4x USB 3.0 Ports (4 Rear)

4x COM Ports (1 Rear, 2 on Headers, 1 RS232/422/485 Rear)

See specifications for more ports

Operating Temperature: 0°C to 60°C (32°F to 140°F)

Also Included:

Processor: G4400 - 3.3GHz Intel Pentium Dual Core - 3MB Cache, HD Graphics 510 (54W) (ERM) or Better [Upgradeable]

Memory: 4GB DDR4 2400MHz SODIMM 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
[Upgradeable]
Operating System: Not Included -
Warranty: One-Year Depot Warranty
[Upgradeable]

Technical Specifications

MotherBoard Specifications:

Motherboard Model

- Motherboard Type: MiniITX
- Long Production Cycle
- Long Life: YES
- EOL Date: Q3 2022

Supported CPU

- Number of Processors: 1
- Processor Type: 7th and 6th Gen Core i7/i5/i3 (LGA1151)

Chipset

- Chipset: Intel H110 Chipset

Memory

- Memory Type: SO DIMM DDR4 2133MHz
- Memory Type: Non-ECC
- DIMMS: 2
- Maximum Memory: 32GB

On Board Audio

- Audio Type: Intel HD Audio

On Board Video

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

LAN

- LAN Ports: 2
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i219V
- Second LAN Chipset: Intel i210AT
- Wireless LAN: No Integrated WLAN

Drive Interface

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
- Display Colors: 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%

- SAS 6G Ports: 4

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

mini PCIe

- mSATA
- USB and PCIe signals
- half and/or full size mini PCIe card: full/half size

Rear IO

- USB 3.0 Ports (on IO): 4
- Serial (Rear IO): 1
- Serial 232/422/485 Ports: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- Serial (via Headers): 2
- LVDS
- TPM Support: Via 2.0 Header

Environmental

- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- SL-Windows 10PRO to 7PRO 32-bit
- SL-Windows 10PRO to 7PRO 64-bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (32-bit)
- Windows 8.1 Pro (64-bit)
- Windows Embedded 8 (32-bit)
- Windows Embedded 8 (64-bit)
- Windows 10 Home (32 Bit)
- Windows 10 Home (64 Bit)
- Windows 10 Pro (32 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
- Ubuntu Server Edition

- 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

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"

Compliance of Component

- UL
- CE
- RoHS
- FCC

Other Features

- Other Features:
 - 1 x PCIe 3.0 x16 (in x16) slot
 - 1 (half/full size, supports PCIe x1 and USB device)
 - 1 (full size, shared SATA and USB device)

* Access to PCI Express 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

- 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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