

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-22A-PD-AH270I-S17



Type:

Panel PC

Screen:

InfraRed, Native Resolution: 1680 x 1050,
Front Panel Rating: IP65 / NEMA4

Mounting: Bezel Mounting Hardware Included,
Suitable for Mounting in Cut-Out

Motherboard:

Featuring Intel H270 Chipset and 7th and 6th
Gen Core i7/i5/i3 (LGA1151) processor

No Available Slots

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

Video: DVI-D + Dual HDMI

Audio: 7.1+2 Channel HD Audio by Realtek
ALC892

Ports:

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

8x USB 3.1 Ports (6 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: G4400 - 3.3GHz Intel Pentium Dual
Core - 3MB Cache, HD Graphics 510 (54W) (ERM)
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: 90w output, 12v input DC-DC
Power Supply - AC Adapter Included
[Upgradeable]

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: 7th and 6th Gen Core i7/i5/i3 (LGA1151)

Chipset

- Chipset: Intel H270 Chipset

Memory

- Memory Type: DDR4 2133MHz
- 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: DVI-D + Dual HDMI
- DVI-D Out: 1
- HDMI Out: 2

LAN

- LAN Ports: 2
- LAN Type: GB (10/100/1000)
- LAN Chipset: Intel i219V
- Second LAN Chipset: Intel i211V
- Wireless LAN: Integrated 802.11 b/g/n Wireless LAN/Bluetooth 4.0 - Removable Under Networking Section

Drive Interface

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

Display Specifications

Display

- Screen Size (inches): 22
- Touch Type: InfraRed
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 16 : 10
- Native Display Resolution: 1680 x 1050
- Brightness (nits): 300
- Display Area (H): 473.76mm
- Display Area (V): 296.1mm
- Aspect Ratio: 16 : 10
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- Backlight: LED
- Viewing Angle(U) : 85
- Viewing Angle(D) : 85
- Viewing Angle(L) : 80
- Viewing Angle(R) : 80

Connectivity

- VGA Port In: 0
- DVI-I In: 2
- HDMI In: 3

Mounting Options

- Mounting Options: Bezel Mounting Hardware Included, Other options sold separately
- Suggested Cut-Out Dimension (Width): 539mm
- Suggested Cut-Out Dimension (Height): 366mm
- Width: 22.6inches
- Height: 15.75inches
- Depth: 2.5inches
- Depth (Inches): 2.5
- Unboxed Weight: 20lbs
- Shipping Weight: 45lbs
- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%
- Low Humidity: 8%
- Storage Temp (High): 60C
- Storage Temp (Low): -10C
- Storage Humidity (High): 90%

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

mini PCIe

M.2

- M.2 NVMe: 1
- M.2
- SATA
- PCIe
- 110mm
- 30mm
- 42mm
- 60mm
- 80mm

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 2
- USB 3.1 Type A Ports (on IO): 6

Headers

- USB 2.0 Ports (on Headers): 2
- USB 3.1 Ports (on Headers): 2
- FAN Connectors: 2
- Chassis Intrusion
- 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 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Ent-Value
- Windows 10 IoT Ent
- LINUX Ubuntu Desktop

Compliance of Component

- Storage Humidity (Low): 8%

Power

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

Compliance of Component

- CE
- RoHS
- FCC

Environmental

- Power Consumption (on): 19Watts

Warranty

- Warranty: 1 year

Other

- Features:

Industrial Display

- • Screen Size: 22"
- • Touch Type: InfraRed
- • Front Panel Rating: IP65 / NEMA4
- • Native Display Resolution: 1680 x 1050
- • Brightness (nits): 300

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"

- UL
- 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)
 - 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_0 will be disabled.

**Supports

Intel® Optane™

Technology

Supports NVMe SSD as boot disks

Supports ASRock U.2 Kit

- Motherboard Warranty: 1 Year

- Shipping Box - Height: 5"
- Shipping Weight: 8lbs

Compliance of Component

- RoHS
- FCC

Other Features

- Chassis Warranty: 1 Year

Power

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

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