

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
 SL-PPC-22AWHD-LLH110A-S17



21.5" Open Frame Widescreen

Type:

Panel PC

Screen:

Multi-Touch Projected Capacitive, Native
 Resolution: 1920 x 1080, Front Panel
 Rating: Not Rated

Mounting: 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)**

No Available Slots

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): 21.5
- Touch Type: Multi-Touch Projected Capacitive
- Aspect Ratio: 16 : 9
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 250
- Display Area (H): 476.064mm
- Display Area (V): 267.786mm
- Aspect Ratio: 16 : 9
- DisplayColors: 16.7 M
- Contrast Ratio: 3000:1
- Backlight: LED
- Viewing Angle(U) : 178
- Viewing Angle(D) : 178
- Viewing Angle(L) : 178
- Viewing Angle(R) : 178

Connectivity

- VGA Port In: 1
- DVI-D In: 1
- HDMI In: 1

Mounting Options

- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Other options sold separately
- Suggested Cut-Out Dimension (Width): 20.5inches
- Suggested Cut-Out Dimension (Height): 12.25inches
- Width: 20.5inches
- Height: 12.25inches
- Depth: 2inches
- Depth (Inches): 2
- Unboxed Weight: 12lbs
- Shipping Weight: 16lbs
- 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: 5%
- Storage Temp (High): 60C
- Storage Temp (Low): -20C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 5%

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:

21.5" Open Frame Widescreen

Display Specifications

• Display

- • Screen Size: 21.5"
- • Touch Type: Multi-Touch Projected Capacitive
- • Front Panel Rating: Not Rated
- • Color: Black
- • Native Display Resolution: 1920 x 1080
- • Brightness (nits): 250
- • Aspect Ratio: 16 : 9
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- • Backlight: LED

• Connectivity

- • VGA Port In: 1
- • DVI-D In: 1
- • HDMI In: 1

Chassis Specifications:

General

- Form Factor: Micro PC
- Color: Black

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

- 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"
- 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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