

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-12AWHD-J4105B-S17



Full size images available on web site

No Windows 7 Support, for Windows 7 see SL-PPC-12AWHD-LL1900J-S29

Type:

Fanless Panel PC

Screen:

Multi-Touch Projected Capacitive, Native
Resolution: 1920 x 1080, Front Panel
Rating: IP65 / NEMA4

Mounting: Suitable for Mounting in Cut-Out

Motherboard:

Featuring Intel Celeron SoC and Intel Celeron J4105 Processor (1.5GHz Quad Core, Burst 2.5GHz) TDP 10W

No Available Slots

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

Video: VGA + HDMI

Audio: 8-Channel HD Audio by Realtek ALC887

Ports:

5x USB 2.0 Ports (2 Front, 1 Rear, 2 via internal headers)

5x USB 3.1 Ports (3 Rear , 2 via internal headers)

2x COM Ports (1 Rear, 1 on Headers)

1x Parallel Port (Rear)

See specifications for more ports

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

Also Included:

Memory: 4GB DDR4 2400MHz SODIMM RAM
[Upgradeable]

Hard Drive: 250GB SSD SATA 6.0Gb/s,
500/300MB/s read/write (or greater)
[Upgradeable]

Power Supply: 90w 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
- Fanless

Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron J4105 Processor (1.5GHz Quad Core, Burst 2.5GHz) TDP 10W

Chipset

- Chipset: Intel Celeron SoC

Memory

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

On Board Audio

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

On Board Video

- Video Chipset: Integrated Intel UHD Graphics 600: 12 EUs inside (Up to 750MHz)
- Video on IO: VGA + HDMI
- VGA Port Out: 1
- HDMI Out: 1

LAN

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

Drive Interface

- SATA III Ports (6GB): 2

Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

Display Specifications

Display

- Screen Size (inches): 11.6
- Touch Type: Multi-Touch Projected Capacitive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 16 : 9
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 300
- Display Area (H): 255mm
- Display Area (V): 145mm
- Aspect Ratio: 16 : 9
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- 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

Mounting Options

- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Side Mounting Brackets Included, Other options sold separately
- Suggested Cut-Out Dimension (Width): 321mm
- Suggested Cut-Out Dimension (Height): 208mm

Physical

- Width: 337mm
- Height: 225mm
- Depth: 45mm
- Depth (Inches): 1.75
- Unboxed Weight: 5lbs
- Shipping Weight: 9lbs

Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C

mini PCIe

Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 1
- USB 3.1 Gen 1 Type A Ports (on IO): 3
- Serial (Rear IO): 1
- Parallel Ports: 1
- Audio on IO

Headers

- USB 2.0 Ports (on Headers): 4
- USB 3.1 Ports Gen 1 (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 2
- Audio on Headers

Environmental

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

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Entry
- Windows 10 IoT Entry 2019 LTSC

Compliance of Component

- UL
- CE
- RoHS
- FCC

Other Features

- Other Features:

Microsoft® Windows® 10 64-bit*

*Supports UEFI mode only

*USB3_1_2 is shared with USB2_3.

1 x PCI Express 2.0 x16 Slot (PCIe1: x2 mode)

* 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

- High Humidity: 90%
- 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
- Power Consumption (on): 10Watts

Compliance of Component

- CE
- RoHS
- FCC

Warranty

- Warranty: 1 year

Other

- Features:

Display Specifications

• Display

- Screen Size: 11.6"
- Touch Type: Multi-Touch Projected Capacitive
- Front Panel Rating: IP65 / NEMA4
- Color: Black
- Native Display Resolution: 1920 x 1080
- 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"
- Shipping Box - Height: 5"
- Shipping Weight: 8lbs

Other Features

- Chassis Warranty: 1 Year

Power

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

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