

## HMI Panel PC Panel PC

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



(Not all images available on web site)

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

### Type:

- Fanless Panel PC
- **Screen:**
  - 11.6" 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 Ports (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 Internal Headers )
  - 5x USB 3.2 Gen 1 Ports ( 3 Rear, 2 Internal Headers )
  - 2x COM Ports (1 RS232 Rear, 1 RS232 Internal Headers)
  - 1x Parallel Port (Rear)
- See specifications for more ports
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)

### Configuration summary:

- **Memory:** 8GB DDR4 2666MHz SODIMM

RAM

- **Hard Drive:** 250GB SSD SATA 6.0Gb/s 560/530MB/s 2.5" - Samsung 870 EVO
- **Power Supply:** 90w output, 12v input DC-DC Power Supply - AC Adapter Included
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

## 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

### 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
- Screen Refresh Rate: 60Hz
- 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
- HDMI In: 1
- Touchscreen Interface USB Port (Front): 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):
- Suggested Cut-Out Dimension (Height):

#### Physical

- Width:

### Drive Interface

- SATA III Ports (6GB): 2

### Expansion Slots

- PCI Express x16 Slots On Motherboard: 1

### Rear IO

- PS/2 Combo (Mouse/Keyboard)
- USB 2.0 Ports (on IO): 1
- USB 3.2 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 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 1
- FAN Connectors: 2
- Audio on Headers

### Environmental

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

- Height:
- Depth:
- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 5lbs
- Shipping Weight: 9lbs

### Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- Low Operating Temp: 0C
- 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
- CCC

### Warranty

- Warranty: 1 year

**Sales Engineers.**

- Motherboard Warranty: 1 Year

**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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