

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-07AW-N2930-J



**LCD requires 12VDC power supply (included), Separate Computer input is wide voltage input**

### Type:

- Fanless Panel PC
- **Screen:**
  - 7" 5-Wire Resistive, Native  
Resolution: 800 x 480, Front Panel  
Rating: IP65 / NEMA4
- **Mounting:** Bezel Mounting Hardware Included, Suitable for Mounting in Cut-Out

### Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron N2930 Processor (1.83GHz Quad Core, Burst 2.16GHz) TDP 7.5W
- **Long Production Cycle Motherboard (Through Q1 2029)**
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **WiFi:** Integrated Realtek 802.11 b/g/n Wireless LAN/Bluetooth 4.0 - Removable Under Networking Section
- **Video:** VGA + DVI-D
- **Audio:** Realtek ALC662 HD Audio
- **Ports:**
  - 5x USB 2.0 Ports ( 2 Front, 3 Rear )
  - 1x USB 3.2 Gen 1 Port( 1 Rear )
  - 4x COM Ports (2 RS232 Rear, 1 RS232 Internal Headers, 1 RS232/422/485 Internal Headers)
  - See specifications for more ports
- **Operating Temperature:** 0°C to 40°C (32°F to 104°F)



### Configuration summary:

- **Memory:** 4GB DDR3L 1600MHz SODIMM RAM 1.35V
- **Hard Drive:** 120GB SSD SATA 6.0Gb/s, 500/320MB/s read/write (or greater)
- **Power Supply:** +9V ~ +24V DC-in jack
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

## Technical Specifications

### MotherBoard Specifications:

#### Motherboard Model

- Motherboard Type: Proprietary
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2029
- Fanless

#### Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron N2930 Processor (1.83GHz Quad Core, Burst 2.16GHz) TDP 7.5W

#### Chipset

- Chipset: Intel Celeron SoC

#### Memory

- Memory Type: SO DIMM DDR3 1333MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 8GB

#### On Board Audio

- Audio Type: Realtek ALC662 HD Audio

#### On Board Video

- Video Chipset: Intel HD Graphics
- Video on IO: VGA + DVI-D
- VGA Port Out: 1
- DVI-D Out: 1

#### LAN

- LAN Ports: 2
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Realtek RTL8111G
- Second LAN Chipset: Realtek RTL8111G

### Display Specifications

#### Display

- Screen Size (inches): 7
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 16 : 9
- Native Display Resolution: 800 x 480
- Brightness (nits): 400
- Screen Refresh Rate: 60Hz
- Display Area (H): 154mm
- Display Area (V): 93mm
- Aspect Ratio: 16 : 9
- DisplayColors: 16.2 M
- Contrast Ratio: 800:1
- Backlight: LED
- Viewing Angle(U) : 80
- Viewing Angle(D) : 80
- Viewing Angle(L) : 80
- Viewing Angle(R) : 80

#### Connectivity

- HDMI In: 1
- Display Port In: 1
- Touchscreen Interface USB Port (Front): 1

#### Mounting Options

- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Bezel Mounting Hardware Included, Other options sold separately
- Suggested Cut-Out Dimension (Width):
- Suggested Cut-Out Dimension (Height):

#### Physical

- Width:
- Height:
- Depth:

- Wireless LAN: Integrated Realtek 802.11 b/g/n Wireless LAN/Bluetooth 4.0 - Removable Under Networking Section

#### **Drive Interface**

- SATA II Ports (3GB): 1

#### **Expansion Slots**

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

#### **Rear IO**

- USB 2.0 Ports (on IO): 3
- USB 3.2 Gen 1 Type A Ports (on IO): 1
- Serial (Rear IO): 2
- Audio on IO

#### **Headers**

- USB 2.0 Ports (on Headers): 2
- Serial (via Headers): 1
- Serial 232/422/485 Ports: 1

#### **Management Features**

- Watch Dog

#### **Environmental**

- Operating Temperature: 0°C to 40°C (32°F to 104°F )
- High Humidity: 90%
- Low Humidity: 5%

#### **Operating System Support**

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows Embedded 8 (32-bit)
- Windows Embedded 8 (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 (32 Bit)
- Windows 10 Home (64 Bit)
- Windows 10 Pro (32 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Entry 32-bit
- Windows 10 IoT Entry
- Windows 10 IoT Entry 32-bit 2019 LTSC

- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 6lbs
- Shipping Weight: 20lbs

#### **Environmental**

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- Low Operating Temp: 00C
- High Humidity: 90%
- Low Humidity: 8%
- Storage Temp (High): 60C
- Storage Temp (Low): -20C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 8%

#### **Power**

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

#### **Compliance of Component**

- CE
- RoHS
- FCC

#### **Warranty**

- Warranty: 1 year

#### **Other**

- Built-in Chassis Power Supply: Wide Voltage Input (9-36VDC)

- Features:

#### **Industrial Display**

- Screen Size: 7"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Native Display Resolution: 800 x 480
- Brightness (nits): 400
- Wide Voltage Input (9-36VDC)

- Windows 10 IoT Entry 2019 LTSC
- SL-Windows 11PRO to 10PRO 32bit
- SL-Windows 11PRO to 10PRO 64bit
- LINUX Ubuntu Desktop

#### **Compliance of Component**

- UL
- CE
- FCC
- CB
- CCC

#### **Warranty of Component**

- Motherboard Warranty: 1 Year

#### **Other Features**

- Other Features:  
12V AC/DC Adapter, Power Cord, Wall bracket,  
DIN Rail Clip Included

\*USB 2.0 Header are used for the front USB Ports

### Chassis Specifications:

#### **General**

- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Slide Rails: Optional

#### **Expansion**

- Internal 2.5" Bays: 1
- Serial Port Punchouts: 2

#### **Front Ports**

- USB 2.0 Ports (Front): 2
- Front Audio Ports: 1

#### **Physical**

- Depth: 142mm
- Width: 185mm
- Height: 48mm
- Shipping Box - Depth: 118mm
- Shipping Box - Width: 250mm
- Shipping Box - Height: 295mm
- Shipping Weight: 7lbs

#### **Power**

- Built-in Chassis Power Supply: +9V ~ +24V DC-in  
jack



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