

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-12A-N2930-1LAN-AC



(Full size images available on web site)

### Type:

- Fanless Panel PC
- **Screen:**
  - 12" 5-Wire Resistive, Native Resolution: 800 x 600, 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:** 1x Ports (1GbE (10/100/1000))
- **WiFi:** Wireless AC
- **Video:** HDMI
- **Audio:** Onboard Audio
- **Ports:**
  - 2x USB 2.0 Ports ( 2 Rear )
  - 1x USB 3.2 Gen 1 Port( 1 Front )
  - See specifications for more ports
- **Operating Temperature:** 0°C to 35°C (32°F to 95°F)

### Configuration summary:

- **Memory:** 4GB DDR3L 1600MHz SODIMM RAM 1.35V
- **Hard Drive:** 256GB mSATA SSD SATA 6.0Gb/s, 550/500MB/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: NUC (101x101 mm)
- 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: Onboard Audio

### On Board Video

- Video Chipset: Supported by CPU - see Embedded CPU Information
- Video on IO: HDMI
- HDMI Out: 2

### LAN

- LAN Ports: 1
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Intel 82574L
- Wireless LAN: Wireless AC

### Expansion Slots

- mSATA
- half and/or full size mini PCIe card: full size

### M.2 Slot Specs

### Rear IO

- USB 2.0 Ports (on IO): 2

## Display Specifications

### Display

- Screen Size (inches): 12
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 4 : 3
- Native Display Resolution: 800 x 600
- Brightness (nits): 400
- Screen Refresh Rate: 60Hz
- Display Area (H): 246mm
- Display Area (V): 184.50mm
- Aspect Ratio: 4 : 3
- DisplayColors: 16.2 M
- Contrast Ratio: 600:1
- Backlight: LED
- Viewing Angle(U) : 65
- Viewing Angle(D) : 75
- 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: Bezel Mounting Hardware Included, Other options sold separately
- Suggested Cut-Out Dimension (Width):
- Suggested Cut-Out Dimension (Height):

### Physical

- Width:
- Height:
- Depth:
- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 9lbs
- Shipping Weight: 25lbs

### Environmental

- MTBF: 50000hours
- Maximum Operating Temperature: 80C
- High Humidity: 90%
- Low Humidity: 8%

### Headers

- USB 3.2 Gen 1 Ports (on Headers): 1

### Environmental

- Operating Temperature: 0°C to 35°C (32°F to 95°F )
- High Humidity: 95%
- Low Humidity: 10%

### Operating System Support

- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- Windows 7 PRO (FES) DGS 32-BIT
- Windows 7 PRO (FES) DGS 64-BIT
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows 10 IoT 2021 LTSC Entry
- SL-Windows 11PRO to 10PRO 32bit
- SL-Windows 11PRO to 10PRO 64bit
- LINUX Ubuntu Desktop

### Compliance of Component

- CE
- RoHS
- FCC

### Warranty of Component

- Motherboard Warranty: 1 Year

- Storage Temp (High): 80C
- Storage Temp (Low): -30C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 8%

### Power

- Power Supply: AC 100~240V/12V DC
- Power Consumption (on): 12Watts

### Compliance of Component

- CE
- CCC

### Warranty

- Warranty: 1 year

### Other

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

- Features:

### Industrial Display

- Screen Size: 12"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Native Display Resolution: 800 x 600
- Brightness (nits): 400
- Wide Voltage Input (9-36VDC)

## Chassis Specifications:

### General

- Form Factor: NUC Box
- Front Facing I/O
- Color: Black
- Material: Steel & Plastic
- Material Thickness: 1mm

### Front Ports

- USB 3.2 Ports (Front): 1
- RS232 COM Ports (Front): 1

### Physical

- Depth: 109mm
- Depth (Inches): 4.295
- Width: 129mm
- Height: 34mm
- Shipping Box - Depth:
- Shipping Box - Width:
- Shipping Box - Height:
- Shipping Weight:

**Power**

- Built-in Chassis Power Supply: 9V - 24V DC In Jack



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