

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-22A-N2930-1LAN-AC



### Type:

- Fanless Panel PC
- **Screen:**
  - 22" InfraRed, Native Resolution: 1680 x 1050, 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): 22
- Touch Type: InfraRed
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 16 : 10
- Native Display Resolution: 1680 x 1050
- Brightness (nits): 300
- Screen Refresh Rate: 60Hz
- Display Area (H): 473.76mm
- Display Area (V): 296.10mm
- Aspect Ratio: 16 : 10
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- Backlight: LED
- Viewing Angle(U) : 85
- Viewing Angle(D) : 85
- Viewing Angle(L) : 80
- Viewing Angle(R) : 80

### Connectivity

- VGA Port In: 1
- DVI-I In: 1
- HDMI 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: 20lbs
- Shipping Weight: 45lbs

### Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%

**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

- Low Humidity: 8%
- Storage Temp (High): 60C
- Storage Temp (Low): -10C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 8%

**Power**

- Power Supply: AC 100~240V/12V DC
- Power Consumption (on): 19Watts

**Compliance of Component**

- CE
- RoHS
- FCC

**Warranty**

- Warranty: 1 year

**Other**

- Features:

**Industrial Display**

- Screen Size: 22"
- Touch Type: InfraRed
- Front Panel Rating: IP65 / NEMA4
- Native Display Resolution: 1680 x 1050
- Brightness (nits): 300

**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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