HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-15AWHD-N2930-J

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

Type:

- Fanless Panel PC
- **Screen:**
  - 15.6" 5-Wire Resistive, Native Resolution: 1920 x 1080, 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:** 1x VGA, 1x 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:** 0ºC to 40ºC (32ºF to 104ºF)

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: 1x VGA, 1x 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): 15.6
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 16:9
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 250
- Screen Refresh Rate: 60Hz
- Display Area (H): 344.16mm
- Display Area (V): 193.59mm
- Aspect Ratio: 16:9
- DisplayColors: 16.2 M
- Contrast Ratio: 400:1
- Backlight: LED
- Viewing Angle(U) : 70
- Viewing Angle(D) : 70
- Viewing Angle(L) : 60
- Viewing Angle(R) : 60

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 >

- 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

M.2 Slot Specs

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: 0ºC to 40ºC (32ºF to 104ºF)
- 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 7 PRO (FES) DGS 32-BIT
- Windows 7 PRO (FES) DGS 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)

Mechanical Drawings.
- Unboxed Weight: 10lbs
- Shipping Weight: 30lbs

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

Power
- Power Supply: AC 100~240V/12V DC
- Power Consumption (on): 13Watts

Compliance of Component
- CE
- RoHS
- FCC
- CB
- CCC

Warranty
- Warranty: 1 year

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

Industrial Display

- Screen Size: 15.6"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 250
- Wide Voltage Input (9-36VDC)

- Windows 10 IoT Entry 32-bit
- Windows 10 IoT Entry
- Windows 10 IoT Entry 32-bit 2019 LTSC
- 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