HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-15A-LL2930A-S29-1

Completely Fanless

Type:

- Fanless Panel PC
- **Screen:**
    - 15" 5-Wire Resistive, Native Resolution: 1024 x 768, 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 2028)**
- **No Available Slots**
- **LAN:** 1x Ports (1GbE (10/100/1000))
- **Video:** VGA + HDMI
- **Audio:** 5.1 channel by Realtek ALC662
- **Ports:**
  6x USB 2.0 Ports (2 Front, 2 Rear, 2 Internal Headers)
  4x USB 3.2 Gen 1 Ports (2 Rear, 2 Internal Headers)
  5x COM Ports (4 RS232 Internal Headers, 1 RS232/422/485 Internal Headers)
  1x Parallel Port (Headers)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 60ºC (32ºF to 140ºF)

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:** AC/DC Power Adapter Included
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

Technical Specifications

MotherBoard Specifications:

Motherboard Model
- Motherboard Type: MiniITX
- Fanless
- Long Production Cycle
- Long Life: YES
- EOL Date: Q1 2028

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: 2
- Maximum Memory: 8GB

On Board Audio
- Audio Type: 5.1 channel by Realtek ALC662

On Board Video
- Video Chipset: Intel 7th generation (Gen 7) Graphics
- Video on IO: VGA + HDMI
- VGA Port Out: 1
- HDMI Out: 1

LAN
- LAN Ports: 1
- LAN Type: 1GbE (10/100/1000)
- LAN Chipset: Realtek 8111DL

Display Specifications

Display
- Screen Size (inches): 15
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 4:3
- Native Display Resolution: 1024 x 768
- Brightness (nits): 450
- Screen Refresh Rate: 60Hz
- Display Area (H): 304.13mm
- Display Area (V): 228.10mm
- Aspect Ratio: 4:3
- 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: No Integrated WLAN

Drive Interface
- SATA II Ports (3GB): 2

Expansion Slots
- PCI Express x1 Slots On Motherboard: 1

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

M.2 Slot Specs

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

Headers
- USB 2.0 Ports (on Headers): 4
- USB 3.2 Gen 1 Ports (on Headers): 2
- Serial (via Headers): 4
- Serial 232/422/485 Ports: 1
- Parallel Ports: 1
- FAN Connectors: 3
- Digital I/O (8 Bit) On Headers
- Audio on Headers
- LVDS

Environmental
- Operating Temperature: 0ºC to 60ºC (32ºF to 140ºF)
- High Humidity: 90%
- Low Humidity: 5%

Operating System Support
- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-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
- SL-Windows 10PRO to 7PRO 32-bit
- SL-Windows 10PRO to 7PRO 64-bit
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (32-bit)

- Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.
- Unboxed Weight: 11lbs
- Shipping Weight: 30lbs

Environmental
- MTBF: 70000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%
- Low Humidity: 8%
- Storage Temp (High): 85C
- 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
- RoHS
- FCC
- CB
- CCC

Warranty
- Warranty: 1 year

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

Industrial Display

- Screen Size (inches): 15"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 4:3
- Native Display Resolution: 1024 x 768
- Brightness (nits): 450
- Ports: VGA Port In, DVI-I In, HDMI In
- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Bezel Mounting Hardware Included, Other options sold separately
- Wide Voltage Input (9-36VDC)

- Windows 8.1 Pro (64-bit)
- Windows Embedded 8 (32-bit)
- Windows Embedded 8 (64-bit)
- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 10 IoT Entry
- Windows 10 IoT Entry 2019 LTSC
- Windows 10 IoT 2021 LTSC Entry

Compliance of Component
- UL
- CE
- RoHS
- FCC

Other Features
- Other Features:
  1x PCI Express 2.0 x1 Slot

  * 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 Sales Engineers.

- Motherboard Warranty: 1 Year

Chassis Specifications:

General
- Form Factor: Embedded PC
- Color: Black
- Material: Metal/Steel
- Material Thickness: 1mm
- Motherboard Compatibility: Mini ITX
- Slide Rails: Optional

Expansion
- Internal 2.5" Bays: 1
- Serial Port Punchouts: 3
- Parallel Port Punchouts: 1

Front Ports
- USB 2.0 Ports (Front): 2

Physical
- Depth: 193mm
- Depth (Inches): 7.6
- Width: 215mm
- Height: 45mm

- Shipping Box - Depth: 13"
- Shipping Box - Width: 9"
- Shipping Box - Height: 5"
- Shipping Weight: 5lbs

Other Features
- Chassis Warranty: 1 Year

Power
- Built-in Chassis Power Supply: AC/DC Power
  Adapter Included