

HMI Panel PC Panel PC

Configuration Number: BASE CONFIG SL-PPC-19AW-J6412-H-2LAN





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

Type:

- Fanless Panel PC
- Screen:
 - 19" 5-Wire Resistive, Native Resolution: 1366 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 J6412 Elkhart Lake Platform (Quad Core 2.0GHz/10W, Turbo 2.6GHz)
- Long Production Cycle Motherboard (Through Q1 2036)
- LAN: 2x Ports (2.5GbE (10/100/1000/2500))
- WiFi: Wireless AC
- Video: 1x DisplayPort + HDMI
 Audio: Realtek ALC888S HD Audio
- Ports:

1x USB 2.0 Port(1 Front)

1x USB 3.2 Gen 1 Port(1 Front)

1x USB 3.2 Gen 2 Port (1 Rear)

See specifications for more ports

• Operating Temperature: -20°C to 60°C

(-4°F to 140°F)

Configuration summary:

• Memory: 8GB DDR4 3200MHz SODIMM

RAM

• Hard Drive: 500GB M.2 2280 NVMe SSD

or greater 5,000/3,000MB/s

Power Supply: Adapter : AC_90~240V /

DC 12V/40W

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: YESEOL Date: Q1 2036

Fanless

Supported CPU

• Number of Processors: 1

 Processor Type: Embedded CPUs (ultra-low power, soldered down)

 Embedded CPU: Intel Celeron J6412 Elkhart Lake Platform (Quad Core 2.0GHz/10W, Turbo 2.6GHz)

Chipset

Chipset: Intel Celeron SoC

Memory

• Memory Type: SO DIMM DDR4 3200MHz

Memory Type: Non-ECC

• DIMMS: 1

• Maximum Memory: 32GB

On Board Audio

• Audio Type: Realtek ALC888S HD Audio

On Board Video

 Video Chipset: Intel UHD Graphics for 10th Gen Intel Processors

Video on IO: 1x DisplayPort + HDMI

Display Port Out: 1

• HDMI Out: 2

LAN

• LAN Ports: 2

• LAN Type: 2.5GbE (10/100/1000/2500)

LAN Chipset: Intel I225-V 2.5GbE Ethernet

• Second LAN Chipset: Intel i225-V 2.5GbE Ethernet

• Wireless LAN: Wireless AC

Display Specifications

Display

Screen Size (inches): 19Touch Type: 5-Wire Resistive

• Front Panel Rating: IP65 / NEMA4

• Aspect Ratio: 16:9

• Native Display Resolution: 1366 x 768

Brightness (nits): 250Screen Refresh Rate: 60HzDisplay Area (H): 409.80mm

• Display Area (V): 230.40mm

Aspect Ratio: 16:9DisplayColors: 16.7 MContrast Ratio: 1000:1

• Backlight: LED

Viewing Angle(U): 80
Viewing Angle(D): 80
Viewing Angle(L): 85
Viewing Angle(R): 85

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: 14lbs

M.2 Slot Specs

- Total M.2 NVMe SSD Slots: 1
- M.2 Slot #1 Specs
- M.2 SATA SSD
- PCIe Signal
- 2260 22 mm x 60 mm.
- 2280 22 mm x 80 mm.

Rear IO

• USB 3.2 Gen 2 Type A Ports (on IO): 1

Headers

- USB 2.0 Ports (on Headers): 1
- USB 3.2 Gen 1 Ports (on Headers): 1
- FAN Connectors: 1

Management Features

• TPM Support: TPM via Intel Platform Trust Technology

Environmental

- Operating Temperature: -20°C to 60°C (-4°F to 140°F)
- High Humidity: 95%
- Low Humidity: 10%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT 2021 LTSC Entry
- Windows 11 Home (64 Bit)
- Windows 11 Pro (64 Bit)
- SL-Windows 11PRO to 10PRO 64bit
- Windows 11 IoT 2024 LTSC Entry
- LINUX Ubuntu Desktop

Compliance of Component

- UL
- CE
- RoHS
- FCC
- CB
- CCC

Warranty of Component

• Motherboard Warranty: 1 Year

Chassis Specifications:

General

Form Factor: NUC BoxFront Facing I/O

• Shipping Weight: 40lbs

Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- High Humidity: 90%
- 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): 12Watts

Warranty

• Warranty: 1 year

Other

- Built-in Chassis Power Supply: Wide Voltage (9-36VDC) power input
- Features:

Industrial Display

- Screen Size: 18.5"
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65 / NEMA4
- Native Display Resolution: 1366 x 768
- Brightness (nits): 250
- Wide Voltage (9-36VDC) power input

• Color: Black

• Material: Steel & Plastic • Material Thickness: 1mm

Front Ports

• USB 2.0 Ports (Front): 1

• USB 3.2 Ports (Front): 1

• USB 3.2 Gen 2 Type-C (Front): 2

• Front Audio Ports: 1

Physical

• Depth: 109.20mm

• Depth (Inches): Click Available Downloads Tab > Mechanical Drawings.

• Width: 125mm

• Height: 44.50mm

• Shipping Box - Depth:

• Shipping Box - Width:

• Shipping Box - Height:

• Shipping Weight: 2lbs

Power

• Built-in Chassis Power Supply: Adapter : AC_90~240V / DC_12V/40W

