HMI Panel PC Panel PC

Configuration Number: BASE CONFIG
SL-PPC-12AWHD-J3455-H-2LAN

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

Type:

- Fanless Panel PC
- **Screen:**
  - 11.6" Multi-Touch Projected Capacitive, Native Resolution: 1920 x 1080, Front Panel Rating: IP65 / NEMA4
- **Mounting:** Suitable for Mounting in Cut-Out

Motherboard:

- Featuring Intel Celeron SoC and Intel Celeron J3455 Processor (1.5GHz Quad Core, Burst 2.3GHz) Intel HD Graphics 500, TDP 10W
- **Long Production Cycle Motherboard (Through Q3 2031)**
- **LAN:** 2x Ports (1GbE (10/100/1000))
- **Video:** 1x VGA, 1x HDMI
- **Audio:** Realtek ALC662 HD Audio
- **Ports:**
  2x USB 3.2 Gen 1 Ports (2 Rear)
  1x COM Port (RS232/422/485 Rear)
  See specifications for more ports
- **Operating Temperature:** 0ºC to 50ºC (32ºF to 122ºF)

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:** Adapter: AC 90~240V / DC12V / 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: YES
- EOL Date: Q3 2031
- Fanless

Supported CPU
- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Celeron J3455 Processor (1.5GHz Quad Core, Burst 2.3GHz) Intel HD Graphics 500, TDP 10W

Chipset
- Chipset: Intel Celeron SoC

Memory
- Memory Type: DDR3 1600MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 8GB

On Board Audio
- Audio Type: Realtek ALC662 HD Audio

On Board Video
- Video Chipset: Supported by CPU - see Embedded CPU Information
- Video on IO: 1x VGA, 1x HDMI
- VGA Port Out: 1
- HDMI Out: 2

LAN
- LAN Ports: 2
- LAN Type and IPMI: 1GbE (10/100/1000)
- LAN Chipset: Realtek RTL8111H
- Second LAN Chipset: Realtek RTL8111H

Display Specifications

Display
- Screen Size (inches): 11.6
- Touch Type: Multi-Touch Projected Capacitive
- Front Panel Rating: IP65 / NEMA4
- Aspect Ratio: 16 : 9
- Native Display Resolution: 1920 x 1080
- Brightness (nits): 300
- Screen Refresh Rate: 60Hz
- Display Area (H): 255mm
- Display Area (V): 145mm
- Aspect Ratio: 16 : 9
- DisplayColors: 16.7 M
- Contrast Ratio: 1000:1
- Backlight: LED
- Viewing Angle(U) : 178
- Viewing Angle(D) : 178
- Viewing Angle(L) : 178
- Viewing Angle(R) : 178

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, Side Mounting Brackets 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.

- Wireless LAN: No Integrated WLAN

Expansion Slots

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

Rear IO

- USB 3.2 Gen 1 Type A Ports (on IO): 2
- Serial 232/422/485 Ports: 1
- Audio on IO

Environmental

- Operating Temperature: 0ºC to 50ºC (32ºF to 122ºF)
- High Humidity: 90%
- Low Humidity: 5%

Operating System Support

- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Entry 2019 LTSC
- Windows 10 IoT 2021 LTSC Entry
- SL-Windows 11PRO to 10PRO 64bit
- LINUX Ubuntu Desktop

Compliance of Component

- CE
- RoHS
- FCC

Warranty of Component

- Motherboard Warranty: 1 Year

Chassis Specifications:

General

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

Expansion

- Antennae Punchout: 2

Front Ports

- USB 3.2 Ports (Front): 2

Physical

- Depth: 109.20mm
- Width: 125mm
- Height: 55.50mm
- Unboxed Weight: 5lbs
- Shipping Weight: 9lbs

Environmental

- MTBF: 30000hours
- Maximum Operating Temperature: 50C
- Low Operating Temp: 0C
- High Humidity: 90%
- Low Humidity: 5%
- Storage Temp (High): 60C
- Storage Temp (Low): -20C
- Storage Humidity (High): 90%
- Storage Humidity (Low): 5%

Power

- Power Supply: AC 100~240V/12V DC
- Power Consumption (on): 10Watts

Compliance of Component

- CE
- CCC

Warranty

- Warranty: 1 year

Other

- Built-in Chassis Power Supply: Wide Voltage 9-36VDC input

- Shipping Box - Depth: 167mm
- Shipping Box - Width: 158mm
- Shipping Box - Height: 123.60mm
- Shipping Weight: 3lbs

Power

- Built-in Chassis Power Supply: Adapter: AC 90~240V / DC12V / 40W

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Simplifying Computing™

www.superlogics.com
Phone: 1-508-650-9500

sales@superlogics.com
Fax: 1-508-650-9525