

DPC-9080

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8" Industrial Touch Panel PC with Intel® Celeron® Processor

Overview

The DPC-9080 series is an 8" fanless industrial panel PC based on the Intel® Celeron® J1900 processor. It features a modular design to allow easy CPU board or I/O board upgrade to fulfill customer needs. The DPC-9080 series offers low-power consumption, rich I/O connectivity, and Wi-Fi module expansion. It boasts a sleek design with an IP65 aluminum alloy front panel and a durable metal body, offering superior heat dissipation and high reliability for operation in harsh industrial environments. The DPC-9080 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 8" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Celeron® J1900 Processor
- 1x COM, 2x USB, 2x LAN, 1x VGA, 1x HDMI
- Wi-Fi support
- VESA75 mount and panel mount compatibility
- IP65 compliant front panel



I/O Interfaces



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Specifications

Display	
Size	8 inch
Touch Type	5-wire resistive touch Projected capacitive multi-touch
Transmittance	87% (capacitive) / 80% (resistive)
Control Interface	USB
Surface Hardness	≥3H≥7H
Resolution	1024 x 768
Luminance	400 nits
Contrast Ratio	1000: 1
View Angles	80 (left), 80 (right), 80 (up), 80 (down)
LED Lifetime	30,000 hrs
Color	16.7M
System	
CPU	Intel® Celeron® J1900 (2.0 GHz) Quad-Core processor
Memory	DDR3L 4G 1333/1600MHz (Onboard)
Storage	1x full length Mini PCIe for mSATA SSD
I/O Ports	
USB	1x USB 3.0, 1x USB 2.0
Serial	1x COM (RS-232)
Ethernet	2x GbE LAN
Display	1x HDMI, 1x VGA
Antenna	2x SMA antenna holes
Expansion Slot	
Mini PCIe	1x full length Mini PCIe for Wi-Fi 1x full length Mini PCIe for mSATA
RF Communication	
Wi-Fi	Mini PCIe expansion (optional)
Cellular	Mini PCIe expansion (optional)
Bluetooth	Mini PCIe expansion (optional)
Audio	
Audio	Mic in, line out
Speaker	2x 5W speaker (optional)
Power	
Boot	YES
Remote Power On/Off	1x Remote switch connector
DC Input	12VDC
Power Connector	2-pin phoenix terminal
Power Consumption	15W
Power Adaptor	AC-DC, 12V@5A, 60W
Operating System	
Windows	Windows 7, Windows 10
Mechanical	
Dimensions (W x D x H)	227x 173 x 47 mm (8.9 x 6.8 x 1.8 inches)
Weight (N.W.)	1.7 kg (3.7 lbs)
Mounting	Panel mount, wall mount bracket VESA75
Material	Aluminum alloy panel, all-metal chassis

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Environment	
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Relative Humidity	10% to 95% @40°C (104°F), non-condensing
Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
Certification	
EMC	CE, FCC
Packing List	
Packing	1x DPC-9080 1x AC-DC power adapter 6x panel mounting buckles 1x warranty card

Dimensions

