

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® J6412 processor. It features a modular design to allow easy CPU board or I/O board upgrades 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® J6412 Processor
- 2x COM, 4x USB, 2x LAN, 1x HDMI
- Wi-Fi support
- VESA 75 mount and panel mount compatibility
- IP65 compliant front panel



I/O Interfaces



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	50,000 hrs
Color	16.7M
System	
CPU	Intel® Celeron® J6412 (2.0 GHz) Quad-Core processor
Memory	DDR4 2400/3200MHz (up to 32GB)
Storage	1 x M.2 2242 (SATA3.0 supported)
I/O Ports	
USB	2 x USB2.0, 2 x USB3.1
Serial	COM1 (1 x RS-232/RS-422/RS-485);COM2 (1x RS232(default)/RS485(Jumper)
Ethernet	2x GbE LAN
Display	1x HDMI
Antenna	2x SMA antenna holes
Expansion Slot	
Mini PCIe	1 x Mini-Pcie (WiFi/4G/supported)
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	3Ω4W speaker (optional)
Power	
Button	YES
Remote Power On/Off	1x Remote switch connector
DC Input	12~36V
Power Connector	2-pin phoenix terminal
Power Consumption	15W
Power Adaptor	AC-DC, 12V@5A, 60W
Operating System	
Windows	Windows 7, Windows 10
Linux	Ubuntu
Mechanical	
Dimensions (W x D x H)	236x 188 x 63 mm (9.3 x 7.4 x 2.5 inches)
Weight (N.W.)	1.9 kg (4.4 lbs)
Mounting	Panel mount, wall mount VESA 75
Material	Aluminum alloy panel, all-metal chassis

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-J6412 1x AC-DC power adapter 1x warranty card

Dimensions

