

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

Overview

The DPC-9100 series is a 10.1" fanless industrial panel PC based on the Intel® Celeron® processor J Series. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9100 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-9100 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 10.1" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Celeron® Processor J Series
- 1x COM, 3x USB, 2x LAN, 1x VGA
- Wi-Fi support
- VESA 75 mount and panel mount compatibility
- IP65 compliant front panel



I/O Interfaces



Specifications

Display			
Size	10.1 inch		
Touch Type	Projected capacitive multi touch 5-wire resistive touch (optional)		
Transmittance	87% (capacitive) / 80% (resistive)		
Control Interface	USB		
Surface Hardness	≥7H/≥3H		
Resolution	1280 x 800		
Luminance	350 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) processor	Intel® Celeron® J4125 (2.0 GHz) processor	Intel® Celeron® J6412 (2.0 GHz) processor
Memory	1x SO-DIMM DDR3-1333/ 1600MHz, up to 8GB	1x SO-DIMM DDR4- 2400MHz, up to 8GB	1x SO-DIMM DDR4- 3200MHz, up to 16GB
Storage	1x full length Mini PCIe for mSATA SSD		
I/O Ports			
USB	1x USB 3.0, 2x USB 2.0		
Serial	1x COM (RS-232)		
Ethernet	2x GbE LAN		
Display	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	Line out		
Speaker	2Ω5W speaker (optional)		
Power			
Button	M12		
Remote Power On/Off	1x Remote switch connector		
DC Input	12VDC		
Power Connector	2-pin phoenix terminal		
Power Consumption	23W		
Power Adaptor	AC-DC, 12V@5A, 60W		
Operating System			
Windows	Windows 7, Windows 10	Windows 10	Windows 10, Windows 11
Mechanical			
Dimensions (W x D x H)	261.5x 174.6 x 38.6 mm (10.3 x 6.9 x 1.5 inches)		
Weight (N.W.)	1.8 kg (4 lbs)		
Mounting	Panel mount, wall mount bracket 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
IP Rating	IP65 compliant (for front panel)
Certification	
EMC	CE, FCC
Packing List	
Packing	1x DPC-9100 6x panel mounting buckles 1x warranty card

Dimensions

