

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



Operating Temp.



Fanless



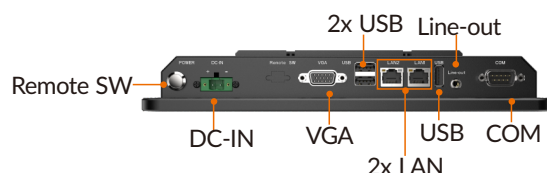
IP65



Touch Display



I/O Interfaces



Specifications

Display	DPC-9100-J1900		DPC-9100-J4125	DPC-9100-J6412
Size	10.1 inch			
Touch Type	Projected capacitive multi touch 5-wire resistive touch			
Transmittance	87% (capacitive) / 80% (resistive)			
Control Interface	USB			
Surface Hardness	≥7H/≥3H			
Resolution	1024 x 768			
Luminance	350 nits			
Contrast Ratio	1000: 1			
View Angles	80 (left), 80 (right), 80 (up), 80 (down)			
LED Lifetime	25,000 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	Mic in, line out			
Speaker	2Ω5W speaker (optional)			
Power				
Button	YES			
Remote Power On/Off	1x Remote switch connector			
DC Input	12VDC			
Power Connector	M12			
Power Consumption	15W			
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 1x AC-DC power adapter 6x panel mounting buckles 1x warranty card

Dimensions

