

12" Industrial Touch Panel PC with Intel® Core™ i / N97 / Celeron® Processor

Overview

The DPC-9120 series is a 12.1" fanless industrial panel PC based on the Intel® Core™ i / N97 / Celeron® processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9120 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-9120 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 12.1" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Core™ i / N97 / Celeron® processor
- 2x COM, 4x USB, 2x LAN, 1x VGA, 1x HDMI
- Supports Wi-Fi, 4G
- VESA 100 mount and panel mount compatibility
- IP65 compliant front panel



Operating Temp.



Fanless



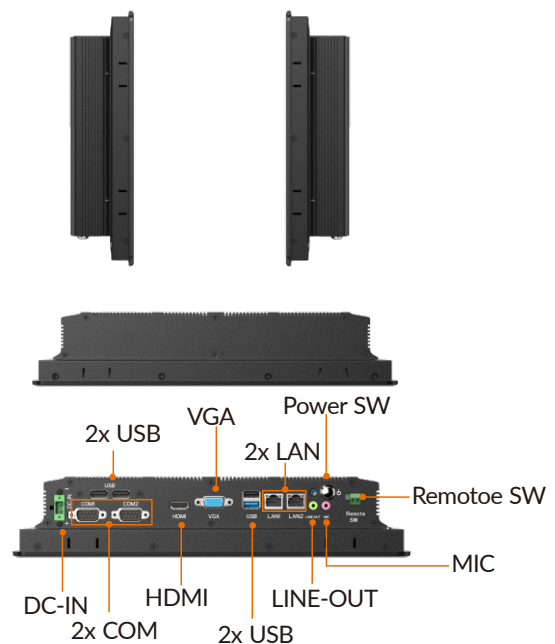
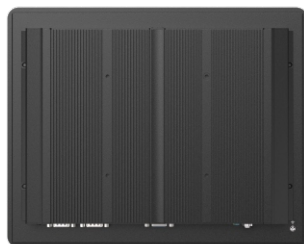
IP65



Touch Display



I/O Interfaces



Specifications

Display			
Size	12.1 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	450 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) processor	Intel® Alder Lake-N N97 (2.0 Ghz) processor	Intel® Alder Lake 12th Core™ i5-1235U (1.3 Ghz) processor
Memory	1x SO-DIMM DDR4-3200MHZ,up to 16GB		2x SO-DIMM DDR4-3200MHZ,up to 64GB
Storage	1x 2.5" SATA HDD/SSD(optional) 1x full length Mini PCIe for mSATA SSD		1x M.2 2280 NVME SSD 1x2.5"SATA HDD/SSD(optional)
I/O Ports			
USB	2x USB 3.0, 2x USB 2.0		
Serial	2x COM (COM1 supports RS-232, COM2 supports RS-232/422/485)		
Ethernet	2x GbE LAN		
Display	1x HDMI, 1x VGA		
SIM Card Slot	1x SIM slot for 4G (optional)		
Antenna	2x SMA antenna holes		
Expansion Slot			
M.2	1x M.2 support M.2 2230 Wi-Fi 1x M.2 support M.2 2242/2252 4G/5G		
RF Communication			
Wi-Fi	M.2 expansion (optional)		
Cellular	M.2 expansion (optional)		
Bluetooth	M.2 expansion (optional)		
Audio			
Audio	Mic in, line out		
Speaker	2Ω5W speaker (optional)		
Power			
Button	M8		
Remote Power On/Off	1x Remote switch connector		
DC Input	12VDC (9-36VDC optional)		
Power Connector	2-pin phoenix terminal		
Power Consumption	23W	25W	29W
Power Adaptor	AC-DC, 12V@5A, 60W		AC-DC, 12V@7A, 84W
Operating System			
Windows	Windows 10/11		
Linux	Ubuntu		
Mechanical			
Dimensions (W x D x H)	310x 248 x 62.5 mm (12.2 x 9.7 x 2.4 inches)		
Weight (N.W.)	3.8 kg (8.3 lbs)		
Mounting	Panel mount, wall mount bracket VESA 100		
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-9120 8x panel mounting buckles 1x warranty card

Dimensions

