

### Overview

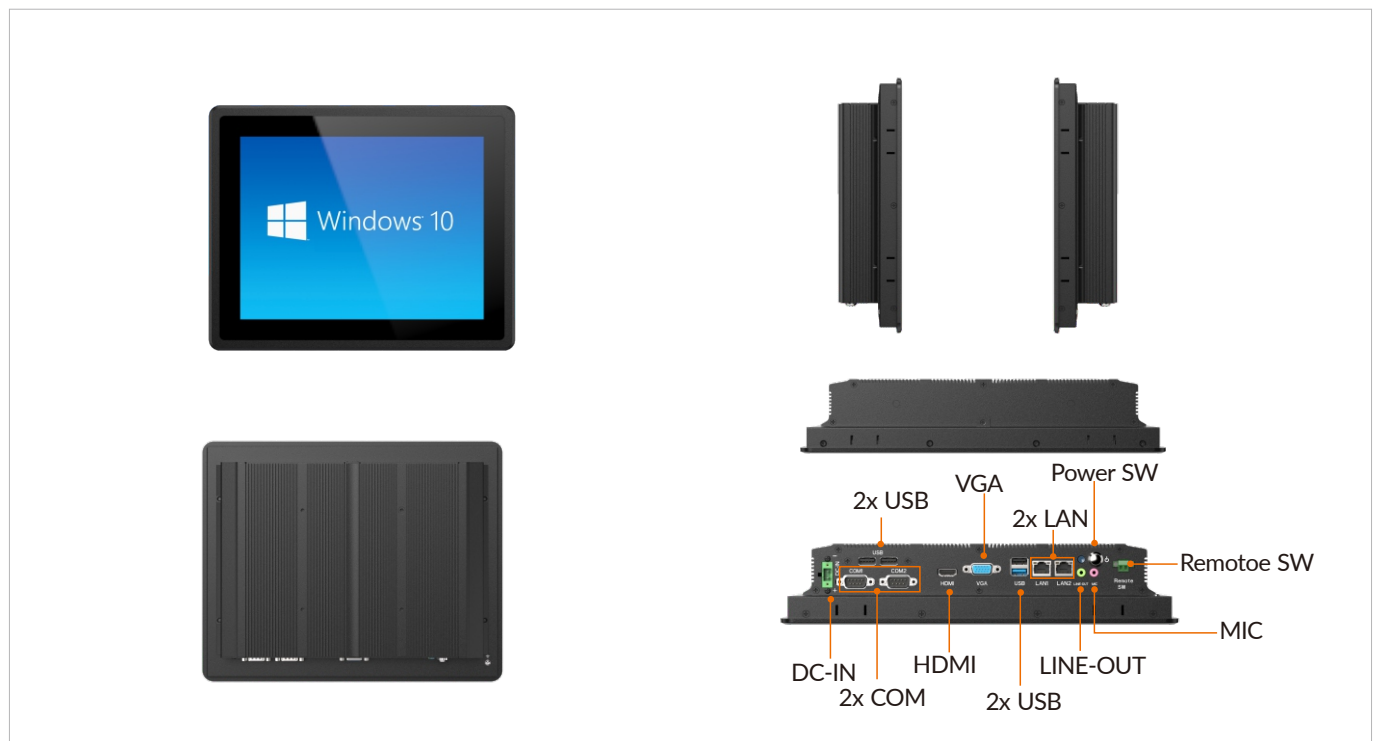
The DPC-9120 series is a 12.1" fanless industrial panel PC based on the Intel® Core™ i / N97 / Celeron® processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The DPC-9120 series offers low-power consumption, rich I/O connectivity, and Wi-Fi module 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



### I/O Interfaces



## Specifications

<b>Display</b>			
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		
<b>System</b>			
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 1x full length Mini PCIe for mSATA SSD	
<b>I/O Ports</b>			
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		
<b>Expansion Slot</b>			
M.2	1x M.2 support M.2 2230 Wi-Fi 1x M.2 support M.2 2242/2252 4G/5G		
<b>RF Communication</b>			
Wi-Fi	M.2 expansion (optional)		
Cellular	M.2 expansion (optional)		
Bluetooth	M.2 expansion (optional)		
<b>Audio</b>			
Audio	Mic in, line out		
Speaker	2Ω5W speaker (optional)		
<b>Power</b>			
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
<b>Operating System</b>			
Windows	Windows 10/11		
Linux	Ubuntu		
<b>Mechanical</b>			
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 <sup>2</sup> /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

