

DPC-7185

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18.5" Industrial Touch Panel PC with 10 Gen Intel® Core™i Processor

Overview

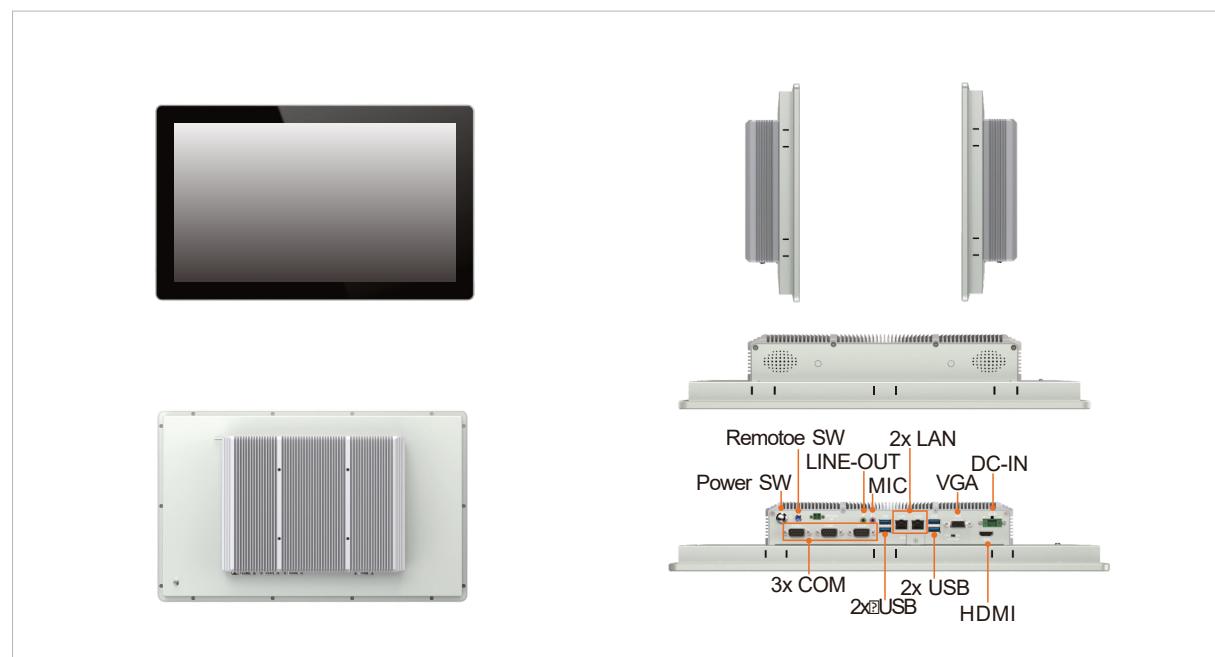
The DPC-7185 is a fanless 18.5" industrial panel PC that supports 10th generation Intel® Core™i5 processors for high-performance computing. It features a modular design to allow easy CPU board or I/O board upgrades and ensures a stable system structure and reliable industrial performance. For wireless connectivity, the DPC-7185 supports Wi-Fi 6 and 4G/5G. With a choice of 4:3 and 16:9 aspect ratios and optional resistive or capacitive touchscreen, the DPC-7185 provides display versatility. The aluminum alloy IP65-rated front panel, metal body, and excellent heat dissipation offer longevity, functionality, and rust resistance for industrial applications.

Features

- 18.5" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- 10th Gen Intel® Core™i5 processor
- 3x COM, 4x USB, 2x LAN, 1x VGA, 1x HDMI
- Supports Wi-Fi 6, 4G, and 5G
- Supports VESA100 mount and panel mount
- IP65 compliant front panel



I/O Interfaces



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Specifications

Display		
Size	18.5 inch	
Touch Type	5-wire resisBvetouch projected capaciBve mulB touch (opBonal)	
TransmiAance	87% (capaciBve)/ 80% (resisBve)	
Control Interface	USB	
Surface Hardness	≥7H/≥3H	
ResoluBon	1920 x 1080	
Luminance	300 nits	
Contrast RaBo	1000: 1	
View Angles	85 (lel), 85 (right), 85 (up),85 (down)	
LED LifeBme	30,000 hrs	
Color	16.7M	
System		
CPU	Intel®Core™i5-10210U(1.6 GHz) quad-core eight-thread processor	Intel Core™i7-10710U (1.1 GHz) Six Core Twelve Thread Processor
Memory	2x DDR4 2666 SO-DIMM (upto 64GB)	2x DDR4 2666 SO-DIMM (up to 64GB)
Storage	1x 2.5" SATA HDD/SSD (opBonal) 1x full length Mini PCIe for mSATASSD	
I/O Ports		
USB	4x USB 3.0	
Serial	3x COM (COM1 supports RS-232, COM2 and COM3 support RS-232/422/485)☐	
Ethernet	2x GbE LAN	
Display	1x HDMI, 1x VGA	
SIM Card Slot	1x SIM slot for 4G or 5G	
Antenna	2x SMA antenna holes	
Expansion Slot		
Mini PCIe	1x full length Mini PCIe for Wi-Fi 1x full length Mini PCIe for mSATA	
M.2	1x M.2 3042 for 4G, 1x M.2 3052 for 5G	
RFCommunication		
Wi-Fi	Mini PCIe expansion (opBonal)	
Cellular	Mini PCIe expansion (opBonal)	
Bluetooth	Mini PCIe expansion (opBonal)	
Audio		
Audio	Mic in, line out	
Speaker	2Ω5W speaker	
Power		
BuAon	Yes	
Remote Power On/Off	1x Remote switch connector	
DC Input	9 to 36VDC	
Power Connector	M8	
Power ConsumpBon	27W	29W
IgniBon On/Off	1x AC loss	
Power Adaptor	AC-DC, 12V@7A, 84W	
Operating System		
Windows	Windows 10, Windows 11	

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Mechanical	
Dimensions (W x D x H)	467.4 x 288 x 73 mm (18.4 x 11.3 x 2.9 inches)
Weight (N.W.)	6.5 kg (12.35 lbs)
MounBng	Panelmount, wall mount bracket VESA100
Material	Aluminum alloy panel, all-metal chassis
Environment	
OperaBng Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
RelaBveHumidity	10% to 95% @40°C (104°F), non-condensing
VibraBon	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
IP RaBng	IP65 compliant (for front panel)
CerBficaBon	
EMC	CE, FCC
Packing List	
Packing	1x DPC-7185 1x AC-DC power adapter 10x panel moun6ng buckles 1x warranty card

Dimensions

