DPC-7156

DARVEEN

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

Overview

The DPC-7156 is a fanless 15.6" industrial panel PC that supports 10th generation Intel® Core™ i5 processor 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-7156 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-7156 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

- 15.6" 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 VESA 100 mount and panel mount
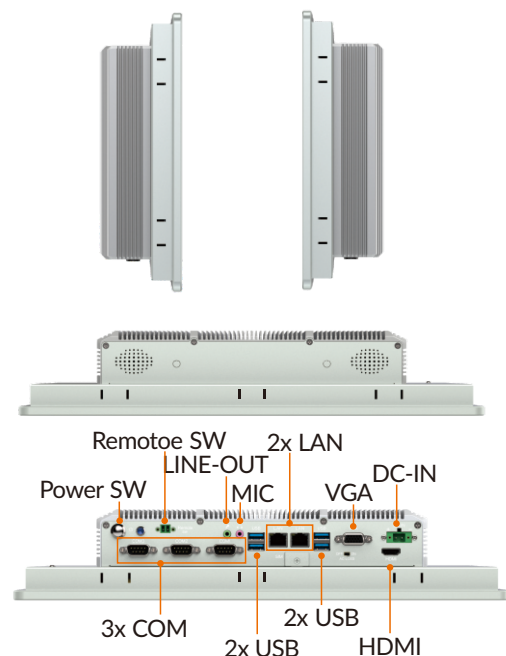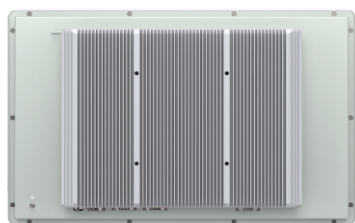- IP65 compliant front panel

Operating Temp.   Fanless   IP65   Touch Display   CE FC

I/O Interfaces

Remotoe SW   2x LAN
LINE-OUT   DC-IN
Power SW   MIC   VGA
3x COM
2x USB   2x USB   HDMI

Specifications

Display		
Size	15.6 inch	
Touch Type	5-wire Resistive touch/ Projected capacitive multi touch (optional)	
Transmittance	87% (capacitive) / 80% (resistive)	
Control Interface	USB	
Surface Hardness	≥7H/≥3H	
Resolution	1920 x 1080	
Luminance	450 nits	
Contrast Ratio	1000: 1	
View Angles	85 (left), 85 (right), 85 (up), 85 (down)	
LED Lifetime	50,000 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 (up to 64GB)	2x DDR4 2666 SO-DIMM (up to 64GB)
Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD	
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	
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	
Power		
Button	Yes	
Remote Power On/Off	1x Remote switch connector	
DC Input	9 to 36VDC	
Power Connector	M8	
Power Consumption	27W	29W
Ignition 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)	399 x 249 x 73 mm (15.7 x 9.8 x 2.9 inches)
Weight (N.W.)	5.1 kg (11.2 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 G²/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-7156 10x panel mounting buckles 1x warranty card

Dimensions