RPC-5150

DARVEEN

15" Fully Protected Panel PC with 6th Gen Intel® Core™ i5 Processor

Overview

The RPC-5150 is a 15" industrial-grade touch panel PC powered by a high-performance Intel® Core™ i5 processor, ideally suited for use in industrial HMI applications. With its modular, fanless, and shockproof design, the robust RPC-5150 is fully IP65 rated for dustproof and waterproof protection, ensuring extreme durability. The RPC series offers display screen options available in both 4:3 and 16:9 aspect ratios. Moreover, it comes equipped with M12 I/O connectors, empowering it to withstand even the harshest environments.

Features

- Intel® Core™ i5-6200U processor
- 15" panel PC with capacitive or resistive touch screen
- Sealed to full IP65 protection against water and dust
- M12 connectors for maximum protection against vibration, shock and dirt
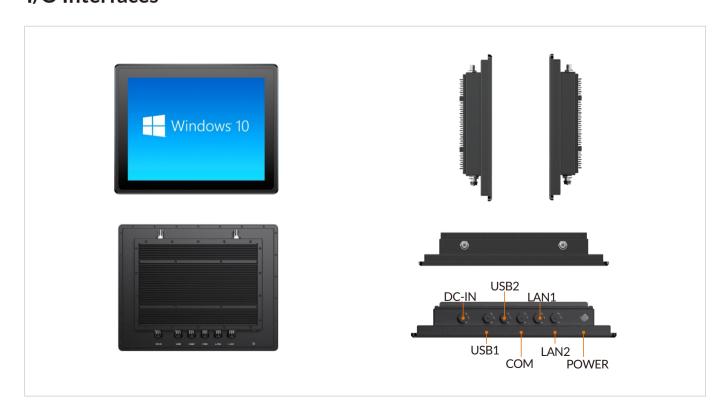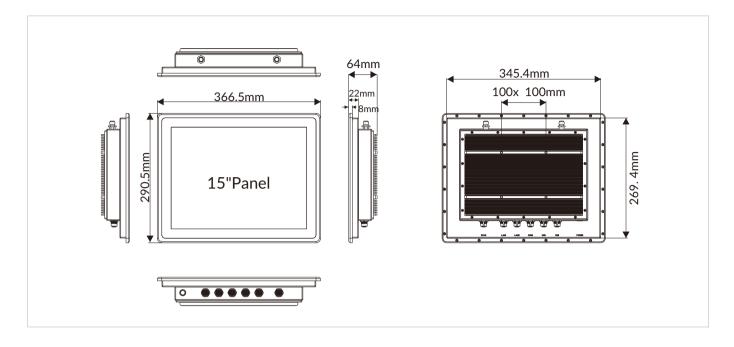- -10 to 50°C operating temperature

Operating Temp.	Power Input	M12	RF Communication	IP65

I/O Interfaces

DC-IN USB2 LAN1

USB1 COM LAN2 POWER

Specifications

Display	
Size	15 inch
Touch Type	5-wire resistive touch Projected capacitive multi touch (optional 〕
Resolution	1024 x 768
Luminance	350 nits
Contrast Ratio	700:1
View Angles	89 (left), 89 (right), 89 (up), 89(down)
Color	16.7 M
System	
CPU	Intel® Core™ i5-6200U processor
Memory	DDR3L up to 16GB
Storage	mSATA up to 1TB
Graphics	Intel® HD graphics 520
BIOS	AMI
I/O Ports	
USB	4 x USB2.0
Serial	1 x COM (supports 1 x RS232 or 1 x RS485)
Ethernet	2 x GbE LAN
Expansion Slot	
Mini PCIe	1 x Full length Mini PCIe for mSATA, 1 x Full length Mini PCIe for Wi-Fi or 4G
Antenna	2 x SMA antenna holes
RF Communication	
Wi-Fi	Wi-Fi 802.11 a/b/g/n/ac (optional)
Cellular	4G/LTE (optional)
Bluetooth	BT4.0 (optional)
Power	
Button	Power on/off
DC Input	12 VDC
Power Consumption	25 W (Typ.)
Power Mode	ATX
Operating System	
Windows	Windows 7, Windows 10
Mechanical	
Dimensions (W x D x H)	366.5 x 290.5 x 64 mm (14.43 x 11.44 x 2.52 inches)
Weight (N.W.)	5.4 kg (11.91 lbs)
Mounting	VESA 100
Material	Aluminum and SGCC
Environment	
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-40 to 80°C(-40 to 176°F)
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing
IP Rating	IP65 compliant
Packing List	
Packing List	RPC-5150 panel PC 2 x M12 to RJ45 Ethernet cable 1 x M12 to USB cable 2 x M12 to DB9 cable AC-DC power adapter AC power cord

Dimensions

Dimensional drawings showing front view (366.5mm x 290.5mm with 15"Panel), side views (64mm, 22mm, 8mm), bottom view, and rear view (345.4mm x 269.4mm with 100x 100mm VESA mounting).