RPC-3120

DARVEEN

12" Fully Protected Panel PC with Intel® Celeron® Processor

Overview

The RPC-3120 is a 12.1" industrial-grade touch panel PC powered by an Intel® Celeron® processor, ideally suited for use in industrial HMI applications. With its modular, fanless, and shockproof design, the robust RPC-3120 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® Celeron® J6412 processor
- 12.1" 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℃ operating temperature

Operating Temp.　　Power Input　　M12　　RF Communication　　IP65

I/O Interfaces

DC-IN　　USB2　　LAN2

USB1　　COM　　LAN1　　POWER

Specifications

Display	
Size	12.1 inch
Touch Type	5-wire resistive touch Projected capacitive multi touch (optional)
Resolution	1024 x 768
Luminance	450 nits
Contrast Ratio	700:1
View Angles	80 (left), 80 (right), 80 (up), 80 (down)
Color	16.2 M
System	
CPU	Intel® Celeron® J6412 processor
Memory	DDR4 up to 16GB
Storage	mSATA up to 1TB
Graphics	Intel® HD graphics
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 TNC 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	Yes
DC Input	12 VDC
Power Consumption	23 W (Typ.)
Power Mode	ATX
Operating System	
Windows	Windows 10, Windows 11
Mechanical	
Dimensions (W x D x H)	310 x 248 x 63.1 mm (12.2 x 9.76 x 2.48 inches)
Weight (N.W.)	4.15 kg (9.15 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-3120 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

RPC-3120

Dimensions

310mm

63.1mm

287.2mm

248mm

225.2mm

100x 100mm

12.1"Panel

Update: September 27, 2023.