

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°C operating temperature



I/O Interfaces



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	4x USB2.0
Serial	1x COM (supports 1x RS232 or 1x RS485)
Ethernet	2x GbE LAN
Expansion Slot	
Mini PCIe	1x Full length Mini PCIe for mSATA, 1x Full length Mini PCIe for Wi-Fi or 4G
Antenna	2x 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 2x M12 to RJ45 Ethernet cable 1x M12 to USB cable 2 x M12 to DB9 cable AC-DC power adapter AC power cord

Dimensions

