

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® J1900/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	RPC-3120-J1900	RPC-3120-J6412
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® J1900 processor	Intel® Celeron® J6412 processor
Memory	DDR3L up to 8GB	DDR4 up to 16GB
Storage	mSATA up to 1TB	
Graphics	Intel® HD graphics	
BIOS	AMI	
I/O Ports		
USB	2x USB2.0	
Serial	2x COM (supports 2x RS232 or 1x RS232 and 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 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	23 W (Typ.)	
Power Mode	ATX	
Operating System		
Windows	Windows 7, Windows 10	
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

