

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	2 x USB2.0	
Serial	2 x COM (supports 2 x RS232 or 1 x RS232 and 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	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 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

