

## 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

<b>Display</b>	
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
<b>System</b>	
CPU	Intel® Celeron® J6412 processor
Memory	DDR4 up to 16GB
Storage	mSATA up to 1TB
Graphics	Intel® HD graphics
BIOS	AMI
<b>I/O Ports</b>	
USB	4x USB2.0
Serial	1x COM (supports 1x RS232 or 1x RS485)
Ethernet	2x GbE LAN
<b>Expansion Slot</b>	
Mini PCIe	1x Full length Mini PCIe for mSATA, 1x Full length Mini PCIe for Wi-Fi or 4G
Antenna	2x SMA antenna holes
<b>RF Communication</b>	
Wi-Fi	Wi-Fi 802.11 a/b/g/n/ac (optional)
Cellular	4G/LTE (optional)
Bluetooth	BT4.0 (optional)
<b>Power</b>	
Button	Yes
DC Input	12 VDC
Power Consumption	23 W (Typ.)
Power Mode	ATX
<b>Operating System</b>	
Windows	Windows 10, Windows 11
<b>Mechanical</b>	
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
<b>Environment</b>	
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
<b>Packing List</b>	
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

