

# *Data Controller* **PCR100Q**

Flagship RTK Measurement  
Control Terminal



# PCR100Q Data Controller

The PCR100Q is a flagship RTK measurement control terminal designed specifically for the surveying industry. It boasts an impressive battery life of over 18 hours, a 5.45-inches sunlight-readable screen for easy outdoor viewing, and operates on the Android 11 system for smooth performance. It features a digital keyboard and offers IP68-level protection against the elements. With professional surveying software, it empowers users to effortlessly tackle various surveying scenarios.

## CHARACTERISTIC

### Powerful System

Equipped with an Android 11 operating system, an 8-core 2.0GHz processor, 4GB of RAM with 64GB of storage, configure 13MP rear camera.

### Display Excellence

The device boasts a 5.45-inch display, with a resolution of 720\*1440px. It offers a seamless touch experience with support for up to 5-point capacitive touch. What's more, it enables effortless operation even with gloved or wet hands.

### Smooth Operation

The device features an ergonomic design that provides a comfortable grip and an exceptional user experience during operation.

### Various Data Communication Methods

The PCR100Q Data Controller supports multiple communication methods such as Wi-Fi, Bluetooth, NFC and 4G, which satisfies the needs of users in most regions of the world.

### Long endurance

Built-in high-capacity lithium battery ensures continuous working time of more than 18 hours under normal operation.

### Robust Device Protection

The device is designed to withstand harsh environments and is tested to meet IP68 waterproof and dustproof standards. It is also built to withstand drops from a height of 1.5 meters, ensuring durability and reliability in challenging conditions.



# SPECIFICATION

## SYSTEM

OS	Android 11
CPU	8-core 2.0GHz processor
Memory	4GB RAM + 64GB ROM
External storage	Micro SD, up to 512GB

## PHYSICAL PARAMETERS

Display	Screen size : 5.45 inch Resolution: 720*1440p
Touch Panel	5-point capacitive touch
Button	Standard English full keypad
Camera	Rear 13MP, Support Flash light
Sensors	Ambient Light Sensor and Accelerometer
Notification	Audio, Vibration, and LED Indicators
Interface	Option1: 1*Nano Sim+1*Micro SD Option2: 2*Nano Sim

## DATA COMMUNICATION

GNSS	GPS+BDS+GNSS+GLONASS+AGPS
WIFI	IEEE 802.11 a/b/g/n/ac Dual-band: 2.4G/5G
Network	FDD -LTE: B1/B2/B3/B4/B5/B7/B8 /B12/B17/B20/B28/ TDD -LTE: B34/B38/B39/B40/B41 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8 TD-SCDMA: B34/39

Bluetooth	BT5.0 (BLE)
NFC	Supported
Others	USB-C, USB-C to RS232, NMEA

## ELECTRICAL

Battery (non-removable)	9000mAh (Support Rapid Charging) Working time: 18h Charging time: ≤5 hours
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## PHYSICAL

Dimension	221mm*78mm*16.5mm
Weight	410.6g

## ENVIRONMENTAL

Temperature	Work Temperature: -20°C~+55°C Storage Temperature: -40°C~+70°C
Humidity	5%~95%
Protection	IP68
Shock	Withstand 1.2M pole drop
ESD	Air discharge: ±15kV Contact discharge: ±8kV

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Manufacturers may update parameters at any time, please refer to the latest product information.



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