

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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