# PCR500 Data Controller

**TOKNAV**

PCR500 is Toknav's brand-new Android 12 data Controller featuring the latest industrial-grade processor from Qualcomm. With its slim form factor and a innovative English keypad, it is designed for complex mobile office scenarios. Besides, the 5.5-inch 1080P display utilizes Gorilla Glass, enhancing durability while ensuring excellent readability in sunlight so as to enhance outdoor data collection visibility.

## Characteristic

### Powerful System

The PCR500 is equipped with the Qualcomm SM6115 processor, designed with an 11nm fabrication process, providing powerful performance for smooth CAD drawing management and base map display, greatly enhancing productivity.

### Display Excellence

With its slim form factor and a standard English keyboard, it's specifically designed for field measurements and mapping operations. The 5.5-inch 1080P resolution industrial display with 500 nits brightness enhances outdoor data collection visibility even in sunlight.

### Standard English Full keyboard

The brand-new British-style keyboard design has been optimized, allowing for fast data input without changing user habits. Moreover, without increasing the device's size, we've thoughtfully reserved multiple shortcut buttons to assist you in swiftly completing various operations in industry applications. The large-capacity battery design ensures uninterrupted data collection tasks, making the PCR500 an efficient handheld terminal for measurement and mapping applications.

### Various Data Communication Methods

PCR500 provides various connectivity options, including Bluetooth 5.0, dual-band 2.4G and 5G Wi-Fi, and a 4G modem supporting global networks, ensuring seamless and reliable connectivity with your preferred GNSS receivers and RTK network correction sources. The built-in 9000mAh battery provides long-lasting performance.

### Robust Device Protection

Designed for extreme durability, it can withstand drops from heights of up to 1.2 meters and complies with stringent IP68 standards. PCR500 excels in challenging environments, making data collection tasks easier and more efficient.

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| ITEM | | SPECIFICATION |
|---|---|---|
| **SYSTEM** | OS | Android 12 |
| | CPU | Qualcomm SM6115<br>Kryo Gold: quad high-performance cores 2.0 GHz<br>Kryo Silver: quad low-power cores 1.8 GHz |
| | Memory | 4GB RAM + 64GB ROM |
| | External storage | Micro SD |
| **PHYSICAL PARAMETERS** | Display | Screen size : 5.5 inch, 500nit<br>Resolution:1080*1920p |
| | Touch Panel | Multi-touch, support glove and wet hands operation |
| | Button | QWERTY keyboard, Power Key, Function key etc.<br>Supported key light |
| | Back Camera | Rear 13MP, AF with double white LED Flash |
| | Sensors | Gyroscope, Accelerometer, Ambient Light and eCompass Sensor |
| | Other equipment | Speaker & Mic<br>Support Motor<br>Support Hand band<br>Support Passive Stylus<br>Support Charger, Replaceable interface |
| | Audio | Audio PA |
| | Interface | Type-C (USB3.0 Supports OTG)<br>SIM: one Nano SIM card slot<br>Indicator LED |
| **DATA COMMUNICATION** | GNSS | Qualcomm GPS/A-GPS, GLONASS, BDS, Galileo |
| | WIFI | IEEE 802.11 a/b/g/n/ac<br>Dual-band: 2.4G/5G |
| | Network | GSM: 850/900/1800/1900<br>WCDMA: B1/B2/B4/B5/B8<br>LTE-TDD: B34/B38/B39/B40/B41<br>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B26/B28 |
| | Bluetooth | BT5.0 (BLE) |
| | NFC | Supported |
| **ELECTRICAL** | Battery (non-removable) | 9000mAh (Support Rapid Charging)<br>Working time: 22 hours<br>Charging time: Reaching 90% ≤4 hours |
| **PHYSICAL** | Dimension | 227.8mm*95.8mm*20.9mm |
| | Weight | 420g |
| **ENVIRONMENTAL** | Temperature | Work Temperature: -20℃~+65℃<br>Storage Temperature: -30℃~+70℃ |
| | Protection | IP68 |
| | Shock | Withstand 1.2M pole drop |
| | ESD | Air discharge: ±10kV    Contact discharge: ±8kV<br>(External interface Contact discharge: 6KV, Air discharge: 8KV) |
| **CERTIFICATE** | Regulatory Compliance | CCC, CTA, SRRC, CE, FCC, Battery |

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

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