

PCR500 is Toknav's brand-new Android 12 data Controller featuring the latest industrial-grade processor from Qualcomm. With its slim form factor and an 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 IP67 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 Kryo Gold: quad high-performance cores 2.0 GHz 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 Resolution:1080*1920p
	Touch Panel	Multi-touch, support glove and wet hands operation
	Button	QWERTY keyboard, Power Key, Function key etc. 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 Support Motor Support Hand band Support Passive Stylus Support Charger, Replaceable interface
	Audio	Audio PA
	Interface	Type-C (USB3.0 Supports OTG) SIM: one Nano SIM card slot Indicator LED
DATA COMMUNICATION	GNSS	Qualcomm GPS/A-GPS, GLONASS, BDS, Galileo
	WIFI	IEEE 802.11 a/b/g/n/ac Dual-band: 2.4G/5G
	Network	GSM: 850/900/1800/1900 WCDMA: B1/B2/B4/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 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) Charging time: Reaching 90% ≤4 hours
PHYSICAL	Dimension	227.8mm*95.8mm*20.9mm
	Weight	420g
ENVIRONMENTAL	Temperature	Work Temperature: -20℃~+65℃ Storage Temperature: -30℃~+70℃
	Protection	IP67
	Shock	Withstand 1.2M pole drop
	ESD	Air discharge: ±10kV Contact discharge: ±8kV (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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