R550 Data Collector

207 mm

84 mm

Size: 207 mm*84 mm*20mm
Weight: 360 g

R550
Data Collector

ANDROID-BASED GNSS DATA CONTROLLER

The SinoGNSS R550 is a professional GNSS data controller with smartphone capabilities, it has 5"sunlight-readable touch display and backlight keypad. Combined with integrated Bluetooth®, you are able to easily connect or control the ComNav Technology GNSS receivers, enhancing efficiency and productivity in the field.

Features

Android 8.1 Operating System

MIL-STD 810 G and IP68 Certified

5"Sunlight Readable Touch Display

13 MP Camera with Autofocus

Compact Design with Long Battery Life

ULTRA-RELIABLE IN THE FIELD

The IP68 dust and water proof rating protects the R550 from most of harsh environments, and the 7000 mA Li-ion battery allows you work all day long for multiple surveying tasks. You will also benefit from its large capacity internal and up to 64 GB external storage. The integrated autofocusing camera helps you enhance job documentation by taking photos on site and sharing job information with your colleagues.

DESIGNED FOR FLEXIBILITIES

Survey Master field software available on the R550 controller ensures you efficient survey in the field, such as topographic survey, stakeout, COGO and more. Powered by Android 8.1 operating system, you can run other third-party Apps based on your specific requirements. The R550 is also a versatile handheld featuring various sensors, such as G-sensor, Barometer, Light-Sensor, NFC, Compass, Gyroscope etc.

SinoGNSS®
By ComNav Technology Ltd.

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Overview

CPU	8 core 2.0GHz
System	Android 8.1
RAM	4GB
ROM	64GB
Camera	rear camera 13MP; front camera 5MP
Screen	5 Inch HD highlight screen
Resolution	1280*720
Touch	5-point capacitive touch screen
Signal tracking	GPS + BDS + GLONASS
Sensors	Geomagnetic, acceleration, light sensing distance
Buttons	Alphanumeric keyboard + 2 column keys + 1 power key

Physical

Size	207*84*20 mm
Weight	360g（Including battery）
Battery	7000mAh, can work at least 14 hours (With BT, WIFI on, and maximum brightness screen)
Charge	PE fast charge, no more than 4 hours
TF	Support 128G extend TF card
Interface	USB-TypeC, support fast charge, support OTG
Working temperature	-30℃ ~ + 60℃
torage temperature	-40℃ ~ +80℃
IP	IP68
Shock and Vibration	MIL-STD 810 G standard, designed to survive a 1.5m drop onto concrete

Communications

BT	BT4.1 BLE
Wi-Fi	IEEE 802.11 a/b/g/n 2.4G 5G
4G	FDD-LTE B1/B3/B5/B7/B8
	TDD-LTE B38/B39/B40/B41
	TDSCDMA B34/B39
	WCDMA B1/B2/B5/B8
	GSM B2/B3/B5/B8
	CDMA1x/CDMA2000 BC0/BC1
RFID	ISO14443A/B，ISO15693，NFC：0~5cm

Included Accessories

AC adapter	1
USB cable	1
Hand strap	1
Battery	1

Specifications subject to change without notice.

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