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R550 Data Collector

ComNav R550 Data Collector User Guide

ComNav R550 Data Collector

Features

Android 8.1 Operating System
MIL-STD 810 G and IP67 Certified
5"Sunlight Readable Touch Display
13 MP Camera with Autofocus
Compact Design with Long Battery Life

207 mm

84 mm

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

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.

ULTRA-RELIABLE IN THE FIELD

The IP67 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.

R550 Data Collector

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 15 hours (With BT, WIFI on)
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℃
Storage temperature   -40℃ ~ +80℃
Waterproof & dustproof   IP67
Shock and Vibration   MIL-STD 810 G standard, designed to survive a 1.5m drop onto concrete

Included Accessories

AC adapter   1
USB cable   1
Hand strap   1
Battery   1

Communications

BT   BT4.1 BLE

Wi-Fi:
IEEE 802.11 a/b/g/n 2.4G 5G
FDD-LTE B1/B3/B5/B7/B8
TDD-LTE B38/B39/B40/B41

4G:
TDSCDMA B34/B39
WCDMA B1/B2/B5/B8
GSM B2/B3/B5/B8
CDMA1x/CDMA2000 BC0/BC1

RFID   ISO14443A/B ISO15693 NFC 0~5cm

Specifications subject to change without notice.

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SinoGNSS®
By ComNav Technology Ltd.

Documents / Resources

	ComNav R550 Data Collector [pdf] User Guide R550 Data Collector

References

- **ComNav Technology Ltd_ComNav,GNSS OEM Board,GNSS Receiver,GNSS Antenna,Wireless Data Link,Software,Collector**