

Specifications

Basic	
Dimensions	290 x 195 x 30mm
Weight(built-in battery)	824g (Standard), 860(Zigbee), 890(GIS)
Material	Impact-resistant TPU shell
Display	7-inch IPS LCD, 1920x1200
Brightness	850 cd/m³
Keypad Type	Backlit QWERTY keypad
Camera	13MP rear
Battery	11550mAh/ 3.85V
Charging	5V2A, USB-C, PD fast charging
Interfaces	Type-C, NFC, MicroSD card
Performance Parameters	
Processor	Octa-core CPU (2x Performance @ 2.0GHz + 6x Efficiency @ 1.8GHz)
OS	Android 12
RAM	8GB
Storage	256GB
Wireless Communication	
WIFI	IEEE 802.11 a/b/g/n/ac 2.4G/5G Dual-Band supports fast roaming
Bluetooth	ET2.1+EDR/3.0/4.1LE/4.2/5.0
Network	4G LTE
Product Reliability	
Operating Temp	-30°C ~ +66°C
Storage Temp	-30°C ~ +70°C
Protection Rating	IP67
Drop Test	1.5m drop onto concrete surface (all six faces)
Salt Spray Test	NaCl solution concentration 5%, PH: (6.5-7.2), continuous spray 24H settling index 1.0-2ml/80cm².h
Vibration Test	Fixed frequency 50Hz, amplitude 100mm, duration 30min
Expansion	Zigbee module GIS module
GNSS	
GNSS Signal	1698 Channels GPS L1C/A/L1C/L2P(Y)/L2C/L5 BDS B1I/B2I/B3I/B1C/B2a/B2b GLONASS G1/G2/G3 Galileo E1/E5a/E5b/E6 QZSS L1C/A/L1C/L2C/L5 NavIC L5 / SBAS L1C/A
Positioning Precision	Single Point Positioning (RMS): Horizontal: 1.5 m Vertical: 2.5 m DGPS (RMS): Horizontal: 0.4 m Vertical: 0.8 m RTK (RMS): Horizontal: 0.8 cm + 1 ppm Vertical: 1.5 cm + 1 ppm
Zigbee	
Zigbee Connection Distance	600m (Optimal Environment)



SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.

Add: South Geo-information Industrial Park, No.39, Si Cheng Road, Tian He IBD, Guangzhou 510663, China

Tel: +86-20-23380888 Fax: +86-20-23380800

E-mail: mail@southsurvey.com export@southsurvey.com impexp@southsurvey.com gnss@southsurvey.com

<http://www.southinstrument.com> <http://www.southsurvey.com>



Zigbee Module

Backlit
QWERTY Keypad



Android 12



GNSS Module



11550mAh Battery



8+256GB



7.0 " Display



Industrial protection



4G/WIFI/NFC

Modular Versatility, Offering More Options

Zigbee Module
—Control Robotic Total Station and Experience the Prism Plus Position Solution



High-precision Module—Work as a GIS Collector



Designed for Efficiency

—The Ultimate Field Companion

One Platform for Multiple Devices

When used as a regular controller, it is compatible with a wide range of devices such as SLAM RTK, GNSS receivers , total stations, and pipeline detectors. It delivers a comprehensive and flexible solution for diverse field applications, creating a new



All-in-one Landscape

Android Platform **H7**



Switchable high-precision module and Zigbee module, designed for all situations

13MP rear HD camera, ensuring clear records for each project

Android 12 Operating System, 8GB RAM + 256GB ROM, open CAD files and browse point clouds at ease

11500mAh battery, the trusted partner works with you for a whole day

