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 sunlightreadable capacitive
Keypad Type	Backlit QWERTY keypad
Camera	13MP rear
Battery	11550mAh/ 3.85V
Working time	Up to 18h
Charging	5V2A, USB-C, PD fast charging
Interfaces	Type-C, NFC, MicroSD card 256GB
Performance Parameters	
Processor	64bit 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 (Optional)	
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 (Optional)	
Zigbee Connection Distance	600m (Optimal Environment)

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- Zigbee Module
- Backlit QWERTY Keypad
- Android 12
- GNSS Module
- 11550mAh Battery
- 8+256GB
- 7.0“ Display
- Industrial protection
- 4G LTE/WIFI/NFC

Modular Versatility, Offering More Options

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





The ZigBee module enables connection to robotic total stations, either alone or in conjunction with GNSS receivers, allowing for faster prism tracking and expanding your work scenarios. On H7, you will have a full and larger screen to fulfill your daily CAD stakeout.

High-precision Module
—Work as a GIS Collector

The H7 can serve as a powerful GIS collector with various antenna. In addition to a portable short antenna, it can also attach a dish antenna and carbon fiber pole to transform it into a high-precision GIS collector for accurate point collection.

*The dish antenna and cable are optional accessories.





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


SLAM RTK



GNSS Receiver


Total Station


Pipeline Detector

All-in-one Landscape
Android Platform

H7



7-inch IPS LCD, 1920×1200 screen with 850 nits, always with clear information in field

4G LTE cellular module, Bluetooth 5.0, dual-band Wi-Fi, providing seamless communication with your devices

Ergonomic design lightweight body weighing 824g, hold it and like it

Backlit QWERTY keypad with function keys, just like working on a computer

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

