

technical parameter

satellite tracking	GPS+BDS+Glonass+galileo+QZSS supports Beldou third-generation satellites, supports five-star sixteen-frequency
operating system	Linux system
initialization time ^[1]	<5s (typ.)
Initialize reliability	99.99%
button	1 dynamic/static switch key, 1 power key
indicator light	1 differential signal light, 1 satellite light
display	1 LCD display
static precision	Horizontal accuracy: $\pm(2.5+ 0.5 \times 10^{-6} \times D)$ mm Elevation accuracy: $\pm(5 + 0.5 \times 10^{-6} \times D)$ mm
RTK accuracy	Plane Accuracy: $\pm(8 + 1.0 \times 10^{-6} \times D)$ mm Elevation accuracy: $\pm(15 + 1.0 \times 10^{-6} \times D)$ mm
Code differential accuracy ^[2]	Plane accuracy: $\pm(0.25+ 1 \times 10^{-6} \times D)$ m Elevation accuracy: $\pm(0.50+ 1 \times 10^{-6} \times D)$ m
single point precision	1.5m
Removable 14000mAh lithium battery, support base station 12+ hours battery life	
battery external power supply	The host can be powered by DC power supply, can be powered by 220V AC power supply, Can directly supply power to the host through the radio (9-24) V DC
output format	NMEA 0183, binary code
output method	BT/Wi-Fi/Radio/Serial
storage format	Can directly record HCN, HRC, RINEX
storage	Standard 8GB built-in storage
Download method	FTP remote push + local one-click download, HTTP download

I/O interface	1 external UHF antenna port One seven-pin data port interface, support power supply, differential data output 1 nano sim card slot Built-in esim, giving three years of traffic for surveying and mapping
network module	Support 4G full Netcom
radio	Built-in transceiver integrated radio, power: up to 5W
Bluetooth	Bluetooth4.0, backward compatible with 2.x, compatible with Windows, Android, IOS system
Wi-Fi	802.11 b/g/n
NFC	Support NFC flash connection
size	$\bar{y}160.54\text{mm} \times 103\text{mm}$
weight	1.73kg
material	Magnesium alloy AZ91D body
Operating temperature	-45 \bar{y} ~+75 \bar{y}
storage temperature	-55 \bar{y} ~+85 \bar{y}
Waterproof and dustproof	IP68 class
shock shock	IK08 class
Anti-drop	Resist 2 meters free fall
super double	Support radio + network two-way data differential at the same time, provide comprehensive data services
one-button start	CTI pioneered the data link concurrent communication technology in China, and the base station was set up immediately
Remote upgrade	One-click remote upgrade to improve work efficiency.
Base Station Offset Warning	When the base station's position changes due to unexpected situations, the handbook terminal will issue a warning immediately

*The technical parameters and configuration of our products are subject to change without prior notice

Notes: ^[1] May be affected by atmospheric conditions, signal multipath, obstacles and satellite geometry. ^[2] The accuracy and reliability will be affected

by external conditions such as multipath, obstacles, satellite geometry and atmospheric conditions. It is recommended to install the instrument in an open place without obvious electromagnetic interference and multipath environment. When the baseline is longer than 30 kilometers, precise ephemeris is required, and it may take up to 24 hours of observation time to achieve the high-precision static specification.

^[3] depends on the performance of the system providing the code differential data.



核心技术

Linux智能操作系统

智能化Linux操作系统，无需手簿设置，使用手机浏览器即可操控设备。



远程协助

一键远程协助，远程操作帮助客户解决使用过程中遇到的问题。提高作业效率。



支持北斗三代、五星十六频

支持北斗三代全球服务，支持五星十六频解算，大幅提升遮挡环境下的固定率。



12h不断电

主机同时外置两块7000mAh大容量锂电池，支持热插拔，实现12h不断电。



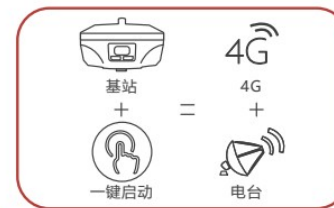
LCD显示功能全

高清0.96英寸可视化液晶屏，状态设置一目了然，操作便捷。



工业级防护

IP68工业级防水防尘，外接口均有防水设计，真正的深度防水，IK08防撞击等级，抗2米自由落体跌落。



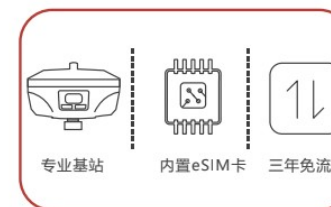
一键启动

华测国内首创数据链开发通讯技术，基站架设即启动，告别电台网络选择，智能AI优选工作模式，省心又省力。



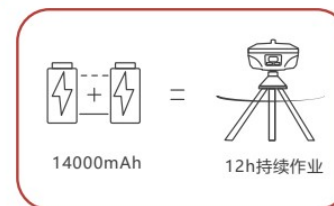
远距离

集成5W全功率收发一体电台，内置电台典型作业距离8KM，解决用户内置电台模式下作业距离的困扰，成为外挂电台的终结者。



网络不插卡

内置eSIM，出厂即赠送三年测绘流量，告别携带身份证去营业厅办卡，野外插卡等繁琐操作，畅享极速网络服务。



长续航

14000mAh大容量锂电池，基站内置电台5W发射可达12小时续航，解决用户内置电台模式的续航困扰