



- 📱 Android 8.1 system on Quad-core 64bits CPU
- 🎯 Up to cm level accuracy dual-freq GNSS RTK
- 📡 Works as Rover or Base Station
- 🌐 Supports WiFi / BT / 4G LTE multiple data networks
- 🗺️ Supports majority of GIS & Land Survey app
- 🛡️ IP65, 1.2m drop, rugged design for field work

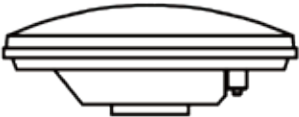


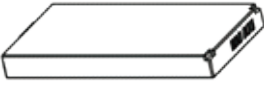

# D302/303-RTK cm Level Handheld RTK Receiver

D302/303-RTK is a high accuracy positioning handheld device with rugged design, based on Android OS.

It integrates with optimized centimeter level dual-freq RTK positioning engine. With external survey grade GNSS antenna or optional helix GNSS antenna, D302/303-RTK provides up to 1cm positioning accuracy.

This RTK handheld device supports WiFi/BT/LTE networks. It is powered by 3200mAh swappable battery, which enables various land survey applications without the constant worry of battery life.

D302/303-RTK is a perfect product for land survey, GIS data collection and other field works requiring high accuracy positioning feature.

Specifications	D302-RTK	D303-RTK
Operating System	Android 8.1	
CPU	Quad-core 64 bits 1.3GHz	
RAM	2GB	
Storage	16GB	
Constellations and frequencies	GPS L1, GLONASS L1, Beidou B1, Galileo E1, SBAS, QZSS	GPS L1/L2, GLONASS G1/G2, Galileo E1/E5b, BDS B1/B2/B3, QZSS
GNSS Mode	GPS + GLONASS + Galileo	GPS + BDS + Galileo
Time to First Fix (TTFF)	Cold Start <30 seconds	Hot Start: 1 second Signal Re-acquisition <1 seconds
RTK initialization time	<120s <sup>*1</sup>	30s
RTK accuracy <sup>*2</sup>	0.02m + 1ppm CEP horizontal	0.04m + 1ppm CEP vertical
Output rate	1Hz	
Display	5 inch 1280x720 , sunlight readable	
Touch	Capacitive Multi-Touch	
Bluetooth	4.0LE	
WiFi	IEEE 802.11 a/b/g/n, 2.4GHz + 5GHz	
Cellular Network	GSM: B2, B3, B8 WCDMA: B1, B8 TDD_LTE: B38, B39, B40 FDD_LTE: B1, B3	
Camera	13M pixels, Auto focus, LED flash	
Battery	3.7v 3200mAh 11.84mWh Li-Polymer Battery	
Interface	1x MicroUSB port for data and power charging	1x MicroSD socket (32GB) 1x SMA for GNSS antenna
IP Rate	IP65, 1.2m drop	
Temperature	Operating: -20 ~ +60°C Storage: -30 ~ +70°C	
Humidity	5% ~ 95% non-condensing	
Weight&Size	160mm x 83.6mm x 23mm, 295g	
Standard Package	D302-RTK device (include battery)	RF cable (1.5 meter) Waist strap
	 Survey-grade GNSS antenna	 Power Adapter and USB Cable
Optional Accessories	 Helix GNSS Antenna	 Extra Back up Battery ( 3200mAh 11.84Wh )
		 Extra Battery Charger
Part Number	PJ3-302-010	PJ3-303-015

\*1 SV > 10 , PDOP < 2.2 , GPS > 5

\*2 These specifications may be affected by atmospheric conditions, signal multipath, and satellite geometry.