IT9 Series

Hig Precision GNSS Receiver

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Tailored to smart devices, the IT9 is widely used in Surveying & GIS markets. The receiver is a powerful tool that can be used for power, forestry, agriculture and geological industries. Its strength comes from taking advantage of modern technology such as Wi-Fi, Bluetooth, Ethernet and Serial COM Ports. The IT9 will communicate with many software platforms including Apple iOS, Google Android and Microsoft Windows. Furthermore, it can connect to the latest 4G dongle available now to connect to a WiFi Hotspot. In some areas without cell phone service, IT9 can work as a mobile base-station to pair with a UHF radio.The IT9 offers different models based on different precision levels — from sub-meter to RTK centimeter accuracy.

Specification

	Model	ITM8NU	IT306	I910S	I910A	I920A
Overview	GSM/3G/4G	-	-	-	√	√
	WIFI	-	-	-	√	√
	USB port	-	-	-	√	√
	Serial Port	√	√	√	√	√
	RJ45 Ethernet	-	-	Optional	√	√
	Bluetooth V4.0(iOS compatibility)	√	√	√	√	√
	Bluetooth V2.1(Long range Bluetooth)	Optional	Optional	Optional	Optional	Optional
	Bluetooth compatibility	Android / Windows Mobile / iOS (Bluetooth V4.0 only)				
	Dimension	117mm x 85mm x 56mm				
	Weight	530g with battery				
GNSS Performance	GPS	L1	L1, L2	L1	L1	L1, L2
	BDS	B1 / G1	B1, B2, B3	B1	B1	-
	GLONASS		G1, G2	L1	L1	L1, L2
	Galileo	-	-	E1	E1	E1
	Channel	72	372	220	220	220
	Protocol output	NMEA-0183, RAW data				
Accuracy (Internal Accord Accuracy)	Autonomous	2.5m	1.2m	1.2m	1.2m	1.2m
	SBAS	2m	0.5m	0.5m	0.5m	0.5m
	DGPS	1m	0.3m	0.25m	0.25m	0.25m
	RTK	-	0.01m+1ppm	Optional, 0.008m (Base line<5km)	0.008m (Base line<30km)	0.008m (Base line<30km)
	Atlas		H100/H30/H10	-	-	-
Power	DC input	DC 12V, 1A				
	Detachable Li-Ion battery	6,200mAh				
Environment Specification	Operating temperature	-20℃ ~ +60℃				
	Storage temperature	-30℃ ~ +70℃				
	Sand, dust&water	IP5X				
	Drop	1.5m				
Accessories	Standard accessory	12V/1A Adapter, Fischer to DC jack cable, Fischer to USB 2.0 host cable, DB9 Serial cross cable, SMA to TNC cable, 2.4G Bluetooth antenna, GPS patch antenna, Hat for antenna, and Belt carrying case			12V/1A Adapter, Fischer to DC jack cable, Fischer to RJ45 host cable, Fischer to USB 2.0 host cable, RS232 Serial cross cable, SMA to TNC cable, TNC to TNC cable, 2.4G WiFi or Bluetooth antenna*2, GNSS survey antenna, Hat for antenna, and Belt carrying case	
	Optional accessory	20cm Centering rod, Irwin backpack,Serial cable for configration, Antenna magnet mount, Fischer to RJ45 host cable			20cm Centering rod, Irwin backpack, Serial cable for configration, Antenna magnet mount	
Supported Software	Supported Software	SurvCE, FieldGenius, GeoSource, SuperSurv, HyperGIS				