

	Items	Specification		
GNSS	GPS Board	OEM729	P328	BD990
	Channel	555	394	336
	SATELLITES	GPS: L1CA/L1C/L2C/L2P/L5 GLONASS:L1CA/L2C/L2P/L3/L5 BeiDou:B1/B2/B3 Galileo:E1/E5/AltBOC/E5a/E5b/E6 NAVIC: L5 SBAS: L1/L5 QZSS: L1CA/L1C/L2C/L5/L6	GPS:L1CA/L1P/L1C/L2P/L2C/L5 GLONASS: G1/G2, P1/P2 BeiDou:B1/B2/B3 GALILEO: E1BC/E5a/E5b QZSS: L1CA/L2C/L5/L1C SBAS: L1 CA/L5	GPS: L1 CA/L2E/L2C/L5 GLONASS:L1CA/L2CA/L3 CDMA BeiDou:B1/B2/B3 Galileo:E1/E5A/E5B/E5Alt BOC/E6 NAVIC: L5 QZSS: L1CA/L1SAIF/L1C/ L2C/ L5 SBAS: L1 CA/L5
	Update rate	5Hz (Standard 5 Hz, can pay to activate 100HZ)	5Hz (Standard to 5 Hz, can pay to activate 50HZ)	50Hz (Standard 50 Hz)
	Static Accuracy	Horizon : $\pm (2.5+1 \times 10^{-6}D)$ mm Vertical : $\pm (5+1 \times 10^{-6}D)$ mm	Horizon : $\pm (2.5+1 \times 10^{-6}D)$ mm Vertical : $\pm (5+1 \times 10^{-6}D)$ mm	Horizon : $\pm (2.5+1 \times 10^{-6}D)$ mm Vertical : $\pm (5+1 \times 10^{-6}D)$ mm
RTK Accuracy	Horizon : $\pm (10+1 \times 10^{-6}D)$ mm Vertical; : $\pm (20+1 \times 10^{-6}D)$ mm	Horizon : $\pm (8+1 \times 10^{-6}D)$ mm Vertical : $\pm (15+1 \times 10^{-6}D)$ mm	Horizon : $\pm (8+1 \times 10^{-6}D)$ mm Vertical : $\pm (15+1 \times 10^{-6}D)$ mm	
Power	Battery	Dual Battery, 7.2V/3400mAh*2。 Can work at least 10 hours		
	Input	9~28V DC		
	OS	Linux		
	Memory	Internal 8G ; TF Extended, Max \geq 32G		
	Bluetooth	V2.1+EDR / V4.1 Dual Mode, Class2		
	WIFI	802.11 b/g/n		
	4G	All areas without North America : EC25-E, 4G FDD LTE: B1/B3/B5/B7/B8/B20 TDD LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM: B3/B8	North America : EC25-A, 4G FDD LTE: B2/B4/B12 WCDMA: B2/B4/B5	
	Internal UHF	TRM101 : Power 1W, Frequency 410-470MHz Work Distance: 5km in good environment		
	Protocol	SATEL, PCC-GMSK, TrimTalk 450S, South, TrimMark III(19200), South 19200		
	Electric Bubble	Support, Support tilt survey		
Interface	TNC	For UHF Antenna		
	5 pins	External radio and external power		
	7 pin	Connect to PC controller and other external device, such as Echo Sounder		
	Others	SIM slot and TF slot		
Interface	Buttons	Power button		
	Indicator	4 indicators, Satellites, Datalink, Bluetooth, WIFI Status,		
	Language	Supports TTS Multi language voice		
Physical	Dimension	156mm*76mm		
	Weight	1.2KG with 2 batteries inside		
Environment	Work Temperature	-30°C ~ +65°C		
	Stock Temperature	-40°C ~ +80°C		
	Protection	IP67		
	Shock	Withstand 2 meters pole drop, 1.2m drop without pole		
	humidity	100%		