



TREKO - MT900-E Technical Data Sheet			
Item	Description	Yes	Detail
Electrical characteristics	Power supply	•	Battery powered
	Working voltage range	•	DC 9V - 90V
	Working voltage	•	12 V / average 30mA
	Sleep current	•	12V/ less than 3.1mA
	Built-in battery capacity	•	300mAh 3.7V
Environmental characteristics	Working temperature	•	-20°C - 75°C
	Storage temperature	•	-30°C - 80°C
	Working humidity	•	10%-85% RH non-condensing
Communication characteristics	Brand(EG915U-EC)	•	B1/B2/B3/B5/B7/B8/B20 850/900/1800/1900MHz
	SIM Card	•	Micro SIM Card
	Communication antenna	•	Built-in antenna
	Antenna specifications	•	FPC antenna
	Positioning module brand / chip model	•	AT6558R
GPS / BD positioning characteristics	Positioning method	•	GPS+BDS
	Cold start time	•	Average 38 seconds
	Hot start time	•	Average 2 seconds
	Tracking sensitivity	•	-160 dBm
	GPS Sensitivity	•	-147 dBm
	Positioning antenna	•	Built-in antenna
	Antenna specifications	•	25mm * 25mm * 4mm
	GPS band	•	L1: 1575.42±1.023MHz
	Beidou band	•	B1: 1561.098±2.046MHz
	Channel	•	20
	Positioning accuracy	•	≤5m
	Timing accuracy	•	<30ns (1σ)
	Speed measurement accuracy	•	<0.1m/s (1σ)
	Acceleration	•	4g
	Maximum speed	•	515m/s
Maximum height	•	18000m	
External interface	Power off	•	1 way
	SOS	•	1 way
	ACC detection input	•	1 way
	harsh acceleration alarm, harsh deceleration alarm, harsh turn alarm	•	support
Form factor	Host size (length, width, height)	•	82x30.5x14.8mm
	Shell material	•	ABS+PC(V0)
	IP protection level	•	IPX5
	Host weight	•	41g