

GS10 Technical Data Sheet

Item	Description	Yes	No	Detail
Electrical characteristics	Power supply	•		Battery powered
	Working voltage range	•		DC 9V - 90V
	Working voltage	•		12 V / average 35mA
	Sleep current	•		12V/less than10mA
	Built-in battery capacity	•		80 mAh 3.7V
Environmental characteristics	Working temperature	•		-20°C - 75°C
	Storage temperature	•		-30°C - 80°C
	Working humidity	•		10%-85% RHnon-condensing
Communication characteristics	Communication module/Chip model	•		QUECTEL
	Brand	•		FDD
				TDD
				WCDMA
				GSM
	SIM Card	•		Micro PUSH SIM Card
	Communication antenna	•		Built-in antenna
Antenna specifications	•		FPC antenna	
GPS / BD positioning characteristics	Positioning module brand / chip model	•		XM1010
	Positioning method	•		GPS+BDS
	Cold start time	•		Average 32 seconds
	Hot start time	•		Average 1 seconds
	Tracking sensitivity	•		-162 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
	Satellite channels	•		50
	Positioning accuracy	•		<10m (1σ)
	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
	RS232	•		1 way
Form factor	Host size (length, width, height)	•		80mm * 39mm * 17mm
	Shell material	•		ABS+PC*(V0)
	IP protection level	•		IPX5
	Host weight	•		53g