

2. Technical Specifications

2.1. Electrical Characteristics

	Items	Description
Chipset	GSP3F	SiRF StarIII technology
General	Frequency	L1, 1575.42 MHz
	C/A code	1.023 MHz chip rate
	Channels	20
Accuracy	Position	10 meters, 2D RMS
		5 meters 2D RMS, WAAS corrected
		<5meters(50%), DGPS corrected
	Velocity	0.1 meters/second
	Time	1 microsecond synchronized to GPS time
Datum	Default	WGS-84
	Other	selectable for other Datum
Acquisition Rate (Open Sky & Stationary Requirements)	Reacquisition	0.1 sec., average
	Snap start	1 sec., average
	Hot start	8 sec., average
	Warm start	38 sec., average
	Cold start	42 sec., average
Dynamic Conditions	Altitude	18,000 meters (60,000 feet) max.
	Velocity	515 meters/second (1000 knots) max.
	Acceleration	4g, max.
	Jerk	20 meters/second ³ , max.
Power	Main power input	5V DC input.
	Power consumption	0.38 W (continuous mode)
	Supply Current	75mA
	Backup power	3 V Lithium-Ion rechargeable battery
Dimension	43mm L x 42mm W x 13mm H	
Weight	23g	

2.2 LED INDICATOR

LED flashing 0.25Hz	Signal Searching
LED flashing 1Hz	Position Fixed