

General

Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	51 CH for tracking
Antenna	Built-in patch with LNA
DGPS	WAAS, EGNOS, MSAS
Datum	WGS84

Acquisition

Cold Start	36 sec, average
Warm Start	33 sec, average
Hot Start	1 sec, average
Reacquisition	<1sec

Accuracy (none DGPS)

Position	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA (horizontal)
Velocity	0.1 m/sec without SA
Time	50 ns RMS
Sensitivity	-158dBm

Dynamic

Altitude	< 18,000m
Velocity	< 515m/sec
Acceleration	4g max.

Protocol

	NMEA-0183 (V3.01) GGA, GSA, GSV, RMC (default)
GPS Output	GLL, VTG (optional)
	Data bit : 8, stop bit : 1(Default)

Interface

Bluetooth	Version 1.2 compliant
Output Power	Class 2 (10 meter in free space)
Frequency	2.4 to 2.48 GHz

Power

Battery	Rechargeable 750mAh Lithium battery
Work Hours	18 hrs
Standby Time	250 hrs
DC Input	5V
Power Charge	Mini USB

Environmental

Operating	- 10 °C to + °C
Storage	- 20 to + 60
Charging	0 to + 45
Humidity	5% to 90% non-condensing

Physical

Dimension	93.5 x 46 x 10.8mm
Weight	49.5g

Others

Certification	CE / FCC
LED	Bluetooth, Navigation, Battery / changer status