

Product View

Plan View



Upward View



Side View



Box includes

Collar (Option)



Screwdriver




USB cable



plug




GPS Specifications

Parameter	Description	Specification
Chipset		AMY-6M
Receiver type	50 Channels GPS L1 frequency, C/A Code SBAS: WAAS, EGNOS, MSAS	
Time-To-First-Fix ²	Cold Start (Autonomous)	33s
	Aided Starts	1s
	Hot Start (Autonomous)	<1 s
	Aided Starts ³	<4 s
Sensitivity ⁴	Tracking & Navigation	-159 dBm
	Reacquisition	-159 dBm
	Cold Start (Autonomous)	-146 dBm
Maximum Navigation update rate		5Hz
Accuracy	Position	2.5 m CEP

	SBAS	2.0 m CEP
Time pulse frequency range	Configurable	0.1 Hz to 1 kHz
Operational Limits	Dynamics	≤ 4 g
	Altitude ⁶	50,000 m
	Velocity ⁶	500 m/s

GSM/GPRS Specifications

Item	Description	specification
Chipset		G-100
Air Interface	GSM or GPRS Quad Band	GSM 850 / 900 / 1800 / 1900 MHz class 4 (2 W) for 850/900 bands class 1 (1 W) for 1800/1900 bands
	GPRS	Class 10 (4 downlink, 2 uplink, max. 5) Mobile Station Class B PBCCH supported CS 1...CS 4 supported
	Power Consumption	Power Off - < 90 μA Idle Mode - < 1.6 mA Telephony GSM - < 300mA GPRS class 10 - 410 mA
GSM Sensitivity	850/900 MHz	-110 dBm
	1800/1900 MHz	-109 dBm
Messaging	SMS	PDU / Text mode / Cell broadcast
	AT Commands	3GPP 27.005, 3GPP 27.007 3GPP 27.010 MUX protocol

Physical Specifications

Item	Description	Specifications
Dimension (Products)	Length	105mm
	Width	37
	Height	30 mm
Antenna	GPS	Internal
	GSM/GPRS	Internal

Environmental Specifications

Item	Description	Specification
Temperature	Operating range	-10 °C to 55 °C
	Storage range	-20 °C to 80 °C
Humidity	up to 95% non-condensing	

Power Specifications

Item	Description	Specification	Working Time
Battery	3.7V, 420mAh Rechargeable Li-polymer battery		
Battery Charging	Via 8 pin USB cable		
Power consumption	LBS MODE (LAC & Cell ID) (GSM only)	8.4 mA	50 hours
	WORKING MODE (GSM on / GPS on) GSM connect & GPS fix (sleep) Depend on Signal quality	75mA-105mA	6-15 hours
	STANDBY MODE (MCU sleep / GSM off / GPS off) Built-in micro vibration sensor When the pet TRACKER still over 3 minutes will go into Standby mode	68 uA	1600 hours

PCB size

