

SPECIFICATIONS

CPU	
Microcontroller	32 Bit Cortex Mo
GPS	
GPS Receiver	32 physical channels with more than 8k time & frequency search channels GPS-GAGAN; L1 band (1575.42 MHz)
GSM/GPRS	
General	Quad Band (850 MHz / 900 MHz / 1800 MHz / 1900 MHz)
Class	GPRS Multi slot Class 12
SIM CARD	
SIM Type	Supports embedded SIM
DEVICE MANAGEMENT	
COTA (Configuration over the air)	Supports over the air configuration of various parameters such as APN, server IP, port, update interval and many more using TCP / HTTP
RS232	Supports configuration updates over serial console using Commad Line Interface
SMS	Supports configuration updates over SMS
FIRMWARE MANAGEMENT	
FOTA (Firmware over the air)	Supports firmware upgrade over the air using TCP / HTTP
RS232	Field upgradeable over serial console
MECHANICAL	
Dimension (L*W*H)	102 * 72 * 33 mm
Weight	225 gms
ALERTS	
Emergency(SOS)	Harsh acceleration
Low battery	Harsh braking
Battery connect	SOS wire tamper
Battery disconnect	Tilt
Ignition ON / OFF	Configuration update
BOX	Open / Close

ANTENNA	
GPS	Should be GNSS, GLONASS & IRNSS
GSM	Internal PCB antenna
POWER	
Input power	7V to 40V DC through cable harness.
BATTERY	
Internal battery	3.7V Li-Polymer battery
Backup	4 hours
IN BUILT SENSOR	
Accelerometer	3-Axis Accelerometer
Gyroscope	3-Axis Gyroscope
PROTOCOL	
IP Protocol	TCP, HTTP, FTP and custom protocols over TCP and UDP
Data transmission	2 different servers
MEMORY	
Data storage capacity	40000+ Data Records
ENVIRONMENTAL	
Operational Temperature Range (Ambient)	-20 to + 85
Humidity	95% non-condensing +25°C to +55°C
ENCLOSURE	
Enclosure rating	IP65
LED INDICATION	
Red	Power
Blue	Internal Battery
Yellow	GPS Network
Green	GSM Network