



## effiTRAQ Lite GPS/ GSM Unit

### Overview

effiTRAQ Lite is a feature rich, cost effective indigenous Vehicle Tracking Unit that consists of a built-in GPS receiver, GSM modem and battery for back up during failure of external power. It has a panic button for SOS alarm and also supports several programmable keys to report various other states of the vehicle on duty.

The unit has a high sensitivity 16-channel GPS receiver providing superior reception in inhospitable areas. It has a high gain GSM antenna for uninterrupted operation in areas of weak GSM signals. Moreover, both the antennas are internal so that the device can be discreetly placed in the vehicle with minimal chances of tampering by drivers.

It has an internal memory to store location information when there is no GSM signal. It supports a voice interface for receiving calls and also for making calls to pre-programmed numbers. In addition, it supports several inputs and outputs that can be customized to meet a variety of requirements from the client. It also has a GPS based odometer feature for accurate distance measurement.

The unit can be remotely configured (OTA Configuration). In addition it is provided with an RS 232C port for connecting peripheral devices like RFID readers, taxi meters, display screens etc. It also has LEDs for status indication. In addition, it provides alerts via SMS to predefined phone numbers. It is packaged in a rugged IP54 enclosure thus ensuring durability in industrial settings.

Most importantly, the device has a modular architecture such that different functional components can be included/ excluded depending upon the requirements and budget of the customer.

### Application Areas

- Logistics and Supply Chain
- Fleet Management
- Public Transport Systems
- Emergency Vehicles & Security
- Taxi Services
- Commercial Vehicle Monitoring

## effiTRAQ

effiKC 258/17 APC Road, Kolkata 700006. West Bengal, India  
T: +91 33 32014097/ 23518729 F: +91 33 23502700 E: info@effiKC.com W: www.effiKC.com

## Specifications

Micro-controller	32 Bit, ARM7 / ARM9, 512 KB storage memory
GSM/ GPRS	Class 10, Device Class B Dual Band: 900/1800 MHz 0dBi Internal Antenna
GPS	Channels: 16 or more Accuracy: 3m or better Sensitivity: -149dBm or better Active Antenna Gain: 28dB
Power Section	Permissible Voltage Range: 9V-32V Reverse voltage protection, 5kW peak surge protection In-built resettable fuse, load dump protection
Internal Battery	700mAH Li-Ion Battery with protection and internal battery charger (Up to 8 hrs backup)
Power Consumption	Active Mode: 90 mA at 12V on average (depends on network conditions)
LED Indication	Power, GSM/GPRS, GPS
EMI/EMC	Meets necessary SAE standards
Reliability	MTBF (Mean Time Between Failures): Above 5 years
Environment	Operating Temperature: -20°C to + 70°C Storage Temperature: -30°C to + 80°C Humidity: 0 to 95% RH (at 38°C)
Physical	Dimension: 135 mm x 70 mm Casing: Plastic ABS Mounting: Double sticky tape or rubber mount Standards: IP-54 and UL compliant packaging Weight: < 300 g

NOTE: We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice. Please check before placing the order

**effiTRAQ**

effiKC 258/17 APC Road, Kolkata 700006. West Bengal, India

T: +91 33 32014097/ 23518729 F: +91 33 23502700 E: [info@effiKC.com](mailto:info@effiKC.com) W: [www.effiKC.com](http://www.effiKC.com)