APLICOM R8

Portable security & tracking unit for vehicle, vessel and personal usage

Aplicom's self-contained R8 device provides the most extraordinary positioning accuracy with especially low power consumption. Integrated GPS and GSM antennas and the long lasting battery make the unit ideal for portable tracking use. The unit is priced to be suitable even for consumer mass market bringing system integrators a much larger number of potential service subscribers.

R8 IS A PORTABLE, READY TO USE, TRACKING UNIT suitable for all kinds of mobile tracking applications. The buttons on the device provide easy status or alarm messaging and the inbuilt, large, 25mm patch antenna guarantees a good GPS reception. Positioning can be activated based on time interval, motion or pressing one of the buttons.

FOR CAR SAFETY USE the long-lasting, internal battery allows operation without the need for a permanent installation. Inbuilt antennas make covert placing inside a vehicle easy. The inbuilt G sensor can turn the device on, and if configured so, gives an alarm when the vehicle or device is moved. This feature enables for instance car and personal safety applications, worker protection as well as stolen vehicle recovery. The long-lasting battery and intelligent sleep-mode function allow a long-lasting working time without charging.

R8 IS WELL SUITED FOR PERSONAL SECURITY due to its status buttons, small size and extraordinary low power consumption. With full power GSM and GPS on the device lasts over a day. It is easily carried, hidden or placed, for example; in a back-pack. One or more of the buttons can be assigned as a panic button to inform the location of the person in distress. The inbuilt G sensor can send an alarm when no movement is detected and thus provides an excellent additional feature for lone worker protection.

THE GEOFENCE FUNCTION allows the definition of alarm zones, allowed regions and time related positioning for example; work force management. Once the geofence function is established, the unit automatically informs about entering or leaving a defined zone.

THE UNIT CAN ALSO BE USED FOR REPORTING WORKING STATUS. The three buttons on the unit, with LED's showing the active button, provides a good tool for working status monitoring. A relatively demanding mobile workforce tasks can be managed by combining geofence features with the status buttons.

www.aplicom.com

Aplicom ®
MOBILE DATA FOR PROFESSIONALS

Technical data
Aplicom R8

FEATURES

- Compact unit, all in one package
- Quad band GPRS
- Sensitive GPS
- Internal antennas
- 3 button user interface with status LED's
- Low power consumption and smart power management
- RTC which is synchronised to GPS time

- Configurable through USB interface and with SMS
- OTAP SW and configuration
- Remote trouble shooting
- Watchdog function
- Wide temperature range
- Wall/cigarette lighter charger options

COMMUNICATIONS

Open protocol for server connectivity: GPRS, TCP/IP.
Aplicom D-protocol, full IMEI identification.

FACTORY INSTALLED SOFTWARE

The standard SW includes the functions required in normal tracking applications. It is stable and can be remotely updated (OTA).

Smart event based reporting logic is used to drive down communication costs and excess amounts of data to the server. Configuring the device to send only the essential, important information helps to keep the system overhead low.

Events that can trigger a report or other actions:
- Timed wake-up
- Movement wake-up
- Position (time interval, distance travelled, heading change)

- Geofence in & out
- Battery low, OK status
- Button pressing
- Trip counters

GPRS platform	Quad-Band GPRS multislot Class 12	**Operating conditions**	- 30°C...+65°C - 40°C...+70°C storage humidity +95 % max

GPS	Atheros Communications
	  - accuracy 1,0m (CEP50)
	  - reacquisition 100ms
	  - cold start 36s
		Housing / material	Plastic mould and button membrane

Movement sensor	Wake-up, alarm and power management	**Interfaces**	3 button interface with 3 LED's indicating status
Power supply	5V, USB		- mini USB connector/charger - Configuration through USB-connector, SMS or FTP Server
Battery (internal)	1200mAh		
Power switch	Button pressing, movement detection, SW controlled power management	**Development tools**	Software configurator tool
		Approvals	CE marking 2004/108/EC (EMC directive)
Dimensions	100mm(W) x 62mm(H) x 30mm(D)		
Weight	130g		

www.aplicom.com

Aplicom®
MOBILE DATA FOR PROFESSIONALS