

MOBILE HUB SERIES : MHUB 828T



MHub

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The MHub 828T is a trailer tracking device suited to provide trailer owners and operators with real time tracking and utilisation information. The device is designed and built for rugged outdoor environmental conditions, with an IP rating of 67.

The MHub 828T forms part of the MHub Fleet Telematics range designed to address many of the operational challenges prevalent amongst the commercial fleets. These include basic activity monitoring, reduction of operating costs, and enhancing the management of the Supply Chain.

The MHub has been deployed around the globe across a variety of industries such as logistics, utilities, insurance, telecoms, public transport and emergency vehicles.



FEATURES

Automatic Vehicle Location [AVL]

Using its onboard global positioning system (GPS) receiver the MHub provides accurate location information, trip data, speeding and odometer readings.

Zone Management

Monitoring entry and exit from user defined geographical areas (referred to as geofences). The downloaded geofences can be categorized (i.e. Customers, fuel stations, depots, etc.,) and linked to user defined actions. An example would be the unlocking of the cargo doors on entering a customer location.

Power Modes

Using the latest technologies, the MHub has the ability to intelligently switch between the two different states of either hitched or unhitched. Subject to its detected state, the device automatically changes its operability from full functional ability to sleep mode. While in sleep mode, the device will report a position based on user defined reporting cycles. Running on its internal battery, the device can maintain operability of up to one month.

Least Cost Routing

Utilizing a proprietary intelligent messaging engine, the MHub selects the least cost data transmission based on user defined parameters of location (i.e. Roaming status), data priority and availability of communication bearers. An example would be the switching of the communication method from GPRS to SMS for high priority events when roaming while storing all the low priority unsent data and resuming transmission via GPRS of the low priority data when returning to the home network.

Dynamic Trigger Configuration (DTC)

Utilizing an intelligent proprietary dynamic trigger configuration (DTC) engine, any user defined event and an associated action can be configured and applied to the MHub unit over the air, providing an easily adaptable platform to dynamically changing requirements.

TECHNICAL SPECIFICATIONS

Physical Characteristics	
Dimensions:	Length: 89 mm Width: 121 mm Height: 35 mm
Enclosure:	Plastic
Weight:	330g
Inputs / Outputs	
Digital Inputs:	2
Outputs:	1
Serial Ports:	1
Power	
Power Input:	10V – 40V DC
Power Consumption	
Full Power Mode:	80ma
Low Power Mode:	35ma
Internal Battery Backup:	Up to 1 month with 2 events per day in Deep Sleep
Environment	
Operating Temperature:	-30°C to + 60°C
Humidity:	90% non-condensing
Communications	
Cellular Platform:	GSM/GPRS 900/1800/1900 MHz
Antennas	Internal GSM antenna
	External GPS antenna
Regulatory	Vehicle Device Directive 95/54/EC. E-Mark Approved

