THE GRIFFON HUNT

The highly versatile GRIFFON HUNT rechargeable tracker is specifically designed for professional advanced telematics applications that require access to a variety of vehicle interfaces, including serial (RS232), 1-wire and CAN bus.

With its robust weather-proof housing, this highly intelligent device is ideal for deployment with demanding requirements and in harsh environments.

Comes in 2 versions: internal or external antennae;
the internal antenna version includes a 4Ah rechargeable battery

Wide range of GRIFFON HUNT professional mobile asset applications:

- Automated Vehicle Location: Fleet management and telematics applications for off-road vehicles, public transport, trucks, wagons, cars, agricultural and construction equipment
- High frequency/ long duration logistics tracking
- Managing vehicle preventive maintenance cycles
- Remote vehicle diagnostics
- Driver's Log
- Car sharing

Internal antennae

External antennae

Key benefits:

- ✓ Quad band
- ✓ Extensible software architecture to rapidly add new customer-specific feature
- ✓ Project-specific variants and options: possible implementation of different protocols
- ✓ Water protected housing for outdoor deployment (IP67)
- ✓ Integrated antennae: internal or external – facilitates tracker installation
- ✓ Version with external antennae transmits from inside trucks, containers
- ✓ Access to wide range of vehicle interfaces
- ✓ Rapid attachment of CAN Bus (Controller Area Network)
- ✓ Bus and RS 232 connected devices Cellular / GNSS
- ✓ Configuration parameters (examples):
  Event reporting (time, distance, direction, ignition), provider list with roaming pre-selection, flexible I/O configuration, optimized for log book functions with accurate mileage counter, different sleep & power saving modes
- ✓ Event-based reporting: messages containing information about (examples):
  Position with time stamp, message type (e.g. direction change) with time stamp, mileage counter, motion direction, speed, angle, maintenance and service data (number of satellites, voltage value)
- ✓ Event-based wake-up: time and/or motion-based
- ✓ Extended sensor and interface capacities
- ✓ Geo-fencing: alert sms to mobile smartphone / smart pad or by email
- ✓ Comprehensive remote management platform
- ✓ Size of 2 smartphones on top of each other
- ✓ Battery capacity (LiPo) from 660mAh to 4000mAh depending on version
- ✓ Easy installation: Fixed with bolts, screws, cable-ties, Velcro, adhesives ...
- ✓ No Maintenance

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TECHNICAL DATA

GSM Module:

- GSM/ GPRS: Quad Band (850/ 900/ 1800/ 1900 MHz)
- GPS Receiver Type: 48 Channel GPS Architecture
- GPS Sensitivity (Tracking): -160 dBm
- GPS Acquisition Time: Cold Start: ~35 sec; Hot Start: 1 sec
- GPS Accuracy: 2.5 m

Hardware Characteristics:

- Dimension: 150 x 65 x 45 mm
- Weight: ~220g ~280g (Power version)
- Operating temperature: -30°C to +75°C
- Recharging temperature: 0°C to +45°C

Software Features:

- Windows based application to configure device
- Debug App for Android smartphones to easily access device configuration
- Software Download Over The Air (DOTA)
- Device Configuration: Serial / GPRS / SMS
- Wide range of interfaces including CAN bus, 1-wire and RS232, to support a large number of telematics applications
- 50 geofence zones (rectangular)
- Roaming network support
- Event-based wake-up: Time and/ or motion based
- Event-based reporting: Based on time, duration, distance, angle & more
- Data transmission modes: GPRS & SMS
- RS232 Transparent Mode & Local Protocol handler
- 3-Level Watchdog System

Hardware Features:

- Robust & water protected housing
- Antenna Connector (GRIFFON HUNT with external antennas only): GSM: FME Male; GPS: SMA Female
- Interface Connectors: 2x 6- pin connector; 1x 3- pin connector
- Integrated motion sensor
- Robust SIM card reader (1,8/ 3 V)
- Status Indicator with LEDs
- Flash Memory: 2 MB

Power Supply & Consumption:

- External voltage range: 7V – 32V
- Backup battery capacity: 660 mAh | 4 Ah (Power version)
- Typical consumption in sleep Mode(@12V) – external source: ~1mA
- Typical consumption in sleep Mode – internal battery: ~0,14mA

Hardware Interfaces:

- Ignition Status (On/ Off): 1x
- General Purpose Inputs: 2x
- Digital Outputs: 1x
- 1-Wire: iButton, Temperature Sensor
- CAN Bus: FMS; Configurable CAN
- RS232: 1x for peripherals; 1x for configure & trace

Certificates:

- CE, FCC, E1 (External antennae)
- Power: CE, E1

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