Düsseldorf, 24.09.2014

Betrifft: TachoTrack Telematics® Datenblatt OBD-2 Gerät

Features

- OBDII connectivity, easy to install
- Quad band GSM/GPRS frequencies 850/900/1800/1900 MHz
- Wide operating voltage range 8V to 32V DC
- Internal u-blox chipset
- Low power consumption, long standby time with internal battery
- Embedded full featured @Track protocol
- Internal 3-axis accelerometer for power conservation and motion detection
- Internal GSM antenna
- Internal GPS antenna

Specification

GSM Specifications

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Quad band: 850/900/1800/1900 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Compliant to GSM phase 2/2+</td>
</tr>
<tr>
<td></td>
<td>-Class 4 (2W @ 850/900 MHz)</td>
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<tr>
<td></td>
<td>-Class 1 (1W @ 1800/1900 MHz)</td>
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GPRS

- GPRS multi-slot class 12
- GPRS mobile station class B

RMS Phase Error

- 5 deg

Max Out RF Power

- GSM850/GSM900: 33.0±2 dBm
- DCS/PCS: 30.0±2 dBm

Dynamic Input Range

- -15 ~ -108 dBm

Receiver Sensitivity

- Class II RBER 2% (-107 dBm)

Stability Of Frequency

- < 2.5 ppm

Max Frequency Error

- ±0.1 ppm

GPS Specification

GPS Chipset

- u-blox All-in-One GPS receiver

Sensitivity

- Autonomous: -147 dBm
- Hot start: -160 dBm
Tracking: -162 dBm

Position Accuracy
- Autonomous: < 3m
- SBAS: 2.0m

TTFF
- Cold start: 25s average
- Warm start: < 25s
- Hot start: < 1s

Interfaces

OBDII Port
- Allow information to be read from OBDII port, and provide device power.
- Protocols support: J1850 PWM, J1850 VPW, ISO 9141-2, ISO 14230, ISO 15765, J1939, CAN_USER1, CAN_USER2, VW TP2.0

GSM Antenna
- Internal only

GPS Antenna
- Internal only

Indicator LED
- CEL, GPS and OBD

Mini USB Port
- Mini USB port for upgrading and debugging

General Specifications

Dimensions
- 48mm*25mm*48mm

Weight
- About 42g

Backup Battery
- Li-Polymer 250 mAh

Standby Time
- Without reporting: 56 hours
- 5 minutes reporting: 27 hours
- 10 minutes reporting: 36 hours

Operating Voltage
- 8V to 32V DC

Operating Temperature
- -30℃ ~ +80℃ (without battery)
- -40℃ ~ +85℃ for storage (without battery)

Air Interface Protocol

Transmit Protocol
- TCP, UDP, SMS

Scheduled Timing Report
- Report position and status at preset intervals

OBDII Disconnection Alarm
- Alarm report of OBDII connection and disconnection status

Geo-fence
- Geo-fence alarm and parking alarm, support up to 5 internal geo-fence regions

Low Power Alarm
- Alarm when backup battery is low

Power On Report
- Report when the device is powered on

Tow Alarm
- Alarm trigger based on built-in 3-axis accelerometer