



intendia

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iTac

1R02 GENERAL INFORMATION



Initially designed for remote downloading of tachograph device iTac is a versatile device prepared to meet the latest technological needs. iTac as default features includes CANbus interface , GSM / GPRS communication and GPS navigation.

iTac uses a Quad Band Modem and supports GPRS Class 10. Offers a universal high-speed solution anywhere in the world. iTac implements most frequently used IP Protocols and some proprietary application protocols. Any new protocol could be integrated within few days on customer request.

The GPS receiver is capable of receiving 50 channels and get a fix in less than a second. Position data can be stored and transmitted in accumulated periods or in real time.

iTac, as an option, provides digital inputs and outputs and external communications buses that extend its telematic possibilities.



**PERFECT
AUTOMOTIVE
SOLUTION**

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Technical Characteristics

GSM / GPRS FEATURES

- E-GSM 850/900/1800/1900 Mhz
- GPRS Class 10 (Up to 4Rx / 2Tx)
- SMS
- GSM antenna inside

GPS FEATURES

- 50 channel receiver
- Navigate down to -160dBm and -147dBm coldstart
- Hybrid GPS/SBAS engine (WAAS, EGNOS, MSAS, GAGAN)
- Up to 5 Hz navigation rate
- Anti-jamming technology
- A-GPS: AssistNow Online and AssistNow Offline services, OMA SUPL compliant.
- Integrated supply for active 3.3V GPS antenna
- Antenna fault detection (open and short-circuit)

Acquisition time:

Cold Start 29 s
Warm Start 29 s
Hot Start <1s
Aided Starts <1s

Horizontal position accuracy:

Autonomous 2.5 m
SBAS 2.0 m

INTERFACE

- Antenna GPS SMA-F
- Power supply: 7.5Vdc to 42Vdc
- 2x Rs232
- 2x CANbus
- iButton up to 16 temperature or ID sensors.
- 2x fullyProtected inputs up to 42Vdc software configurable active-low active-high
- 2x fullyProtected open collector outputs 2A @42V with fault detection
- SIM card reader
- Power and bus cables included



POWER CONSUMPTION

- GSM in comm. + GPS acquiring + CPU 2Watts
- Idle mode: 200mW (GPS off, GPRS registered but no communication)
- Less power consumption is firmware configurable.

ENVIRONMENTAL & MECHANICAL

- Operating temperature: - 40°C to +125°C
- Storage temperature: - 40°C to + 125°C
- IP41 abs case: Length 120mm x Width 78mm x Depth 24mm
- Weight: 250g

OPTIONS

- Flash memory extension
- MEMS Shock detector - Accelerometer
- WiFi
- FMS firmware (Fleet Management System)
- TACO firmware (Remote tachograph download)
- ECODRIVE firmware (Fuel and emissions cut down)
- Customized firmware
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INSTALLATION AND CONFIGURATION

- No configuration required: configOnSIM
- Less than 20 minutes required
- Installation check with any smartphone (no special tool required)

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