

iTRAKpro – Product Specifications

Electrical:

- Input Voltage: +7 to +16VDC, 13.4VDC Nom.
- Reverse voltage and short protection.
- Load Dump transient protection.

Processor:

- 24 MHz RISC processor.
- 3.84KB RAM.
- 128KB FLASH Program memory.
- Reset protection: Power-up, Brown-out and Watchdog Timer.

EEPROM

- 1024 Kb of Storage.
- Stores 2,000+ positions, e.g. 2,000 miles with one-mile updates or approximately 28 days with 10 minute updates (moving on average 12 hours per day).

Environmental Specifications:

- Operating Temperature: -22° to 149°F (-30° to 65°C).
- Storage Temperature: -40° to 185°F (-40° to 85°C).
- Humidity: 0 to 95%, non-condensing.
- Shock /Vibration: meets or exceeds RS-374A.
- EMI/RFI: FCC Part 15, Class B.

GPS Receiver:

- 12 channels, WAAS compatible.
- NMEA 0183 interface.
- Update rate: 1 second
- Acquisition time
 - 15 seconds warm (all data known)
 - 45 seconds cold (initial position, time and almanac known, ephemeris unknown)
 - 5 minutes search the sky (no data known)
- Position accuracy: WAAS < 3 meters, 95% typical
- Velocity accuracy: 0.2 m/s RMS steady state (subject to SA)

IO Connections:

- Two Digital IO, one active HI, one active LO.

LED Indicators:

- GPS Active: Blinking red when GPS Connected.
- GPS Status: Solid red when Locked.
- Power: Solid green with power connected.
- Positions: Flashes red when sending data.
- System: Solid red when connected to cellular.

Supported Modems:

- GPRS: Enfora GSM1208 or GSM1308.
- CDMA: Anydata EMIV

Product Features

- **Does not require any driver intervention**
- **Can be permanently installed, out of sight on the vehicle**
- **High performance GPS capability (accuracy within 3 meters)**
- **Allows remote monitoring and control of vehicle inputs, such as driver emergency, engine on, PTO, etc**
- **Automatically stores out-of-coverage position data and updates iFM when back in coverage**
- **GPS Location message delivery confirmation - guaranteed delivery of vehicle location**
- **Available with GPRS, CDMA or iDEN connectivity to support any wireless carrier**
- **Active GPS antenna maximizes performance**

Please contact us to discuss how the iTRAKpro and iTRAK Fleet Manager can improve your business!



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