



iTrax

Evaluation Kit

iTrax OEM GPS Evaluation Kit

The Evaluation Kit allows convenient evaluation of an iTrax OEM GPS receiver in the lab or in the field.



The Evaluation Kit has all the required external interfaces in order to set up an OEM GPS receiver application with customer's end product. The replaceable batteries enable independent operation for long periods of time.

The iTrax Evaluation kit can be used for evaluating all Fastrax iTrax OEM GPS modules by simply choosing the appropriate Application Board.

The iTrax Evaluation Kit includes powerful Fastrax GPS Workbench software which is compatible with all modules using iSuite 3 firmware. The graphical tools and archiving functions in the Workbench software allow easy system testing and development.

The Evaluation Kit is also the natural application development platform for the iSuite™ 3 SDK software development tools.

The Evaluation Kit includes:

- Evaluation Unit with all pertinent interface electronics.
- An application board featuring desired iTrax OEM GPS receiver (iTrax300, iTrax130, iTrax100, iTrax03, iTrax03-S or iTrax03-02) and related documentation.
- GPS Workbench evaluation software for Microsoft® Windows 2000/XP.
- Two Null-modem cables for serial communication.
- Universal power supply 100..240VAC 50/60Hz, +6 VDC out.
- User's Manual including schematics.
- iTrax interface description.
- Active Patch GPS antenna.
- AA batteries for independent operation.





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Specifications

External Interfaces

- Antenna interface: MCX-connector for active or passive antenna, 2.8V antenna bias voltage.
- Power supply interface: +6VDC..16VDC input, 2.1mm DC-connector.
- iTrax Application Board Connector.
- Two serial ports using 9-pin male D-connectors RS232 interface signals.
- 1PPS output
- On/Off switch.
- Program/Reset switch.
- Low battery LED.
- Two user interface LEDs.

Internal Interfaces

- iTrax OEM GPS Receiver Application board system connector.
- All iTrax OEM GPS Receiver I/O Signals (CMOS level) on a 2x20-pin 0.1" IDC-Connector (connections vary depending on Application board used):
 - 4 UART Jumpers.
 - Internal MCX RF Connector.
 - 8 User Programmable Debug LEDs with ON/OFF Switch.
 - Internal Current Measurement Connector
 - AA Battery Holders

Available Application Boards

- iTrax300 Application Board
- iTrax130 Application Board
- iTrax100 Application Board
- iTrax03 Application Board
- iTrax03-S Application Board
- iTrax03-02 Application Board



Software

- GPS Workbench for Microsoft® Windows 2000/XP operating systems. (NOTE: Not compatible with iTrax300 and iTrax100 modules).
- Visual data analysis, easy receiver control and full measurement data archiving and playback.
- Flash programming tools

Documentation

- User's Manual.
- Schematics of Evaluation Kit interface electronics.
- iTrax OEM GPS Receiver Interface Description.

