

iTrax02 Evaluation Kit

The Evaluation Kit provides a convenient evaluation environment for the *iTrax02* GPS receiver.



100502

Evaluation environment for *iTrax02* Receiver

Including all external interfaces needed for setting up a GPS receiver application, the Evaluation Kit comes with an executable version of the GPS Workbench software. It is also the natural application development platform supported by the iSuite software development tools.

The Evaluation Kit includes:

- ¥ Evaluation Unit with an *iTrax02* GPS-receiver mounted on a motherboard PCB including all pertinent interface electronics.
- ¥ Versatile external interfaces.
- ¥ Executable version of GPS Workbench running on Microsoft Windows /NT4/Win98/2000/XP.
- ¥ Two Null-modem cables for serial communication.
- ¥ Universal power supply 100..240VAC 50/60Hz, +6 VDC out.
- ¥ User's Manual including schematics.
- ¥ *iTrax02* interface description.
- ¥ Active GPS antenna.

Evaluation environment for **iTrax02** Receiver

The Evaluation Kit features:

External Interfaces

- Antenna interface: SMA-connector for active or passive antenna, user selectable (+3.3/+5V) antenna bias voltage.
- 40-pin GPIO interface:
2x20-pin 0.1" IDC-Connector
16-bit GPIO
SPI-interface
two Pulse Measurement Inputs
1PPS output
external Reset
antenna Bias Selection
- Serial interfaces: Two serial ports using 9-pin male D-connectors RS232 interface signals. Standard Null-modem cables can be used.
- Power supply interface: +6VDC...+9VDC input, 2.1mm DC-connector.
- On/Off/Reset switch w/ power-on LED.

Software

- GPS workbench running on Microsoft® Windows/Win98/NT4/2000/XP operating systems.
- Built-in basic interface components, data archiving and simulation.
- Possibility to build your own user interface components.
- Flash programming and debugging tools.
- Serial interfaces to application board.

Documentation

- User's Manual.
- Schematics of Evaluation Kit interface electronics.
- iTrax02 Interface Description.

