

IrDA® Probe With Support for IrSimple™

PRODUCT DATASHEET

KEY FEATURES

- Supports IrSimple Protocol
- Easy USB cable connection
- Enhanced OBEX parser with support for the latest OBEX features
- IrDA Fast Connect support
- Windows 2000/XP support
- Supports FIR speeds up to 4Mbps
- Support for mid session parsing at any SIR, MIR, FIR data rates

IrDA (Infrared Data Association) communication provides the primary universal wireless connectivity for approximately 900 million devices shipped since the year 2000. One primary reason for IrDA's success is the easy and reliable interoperability that has been achieved by suppliers. Sybase® iAnywhere® has played a major role in achieving this interoperability through involvement in the creation of specifications, test and requirements, software development kits and test tools. These components have been designed to help developers ensure that their implementations continue to meet users' expectations of universal connectivity and ease of use.

With iAnywhere IrDA test tools, developing and troubleshooting infrared systems is a fast and easy process, whether the project includes a simple IrCOMM implementation, or a complex system incorporating all the features and protocols from the IrDA.

IANYWHERE IRDA PROBE ARCHITECTURE

The Probe consists of the following components:

- A sensor with two infrared detection windows
- Standard USB cable that connects to PC Host
- A software installation CD for Windows 2000, and Windows XP systems

IANYWHERE IRDA PROBE ADAPTER

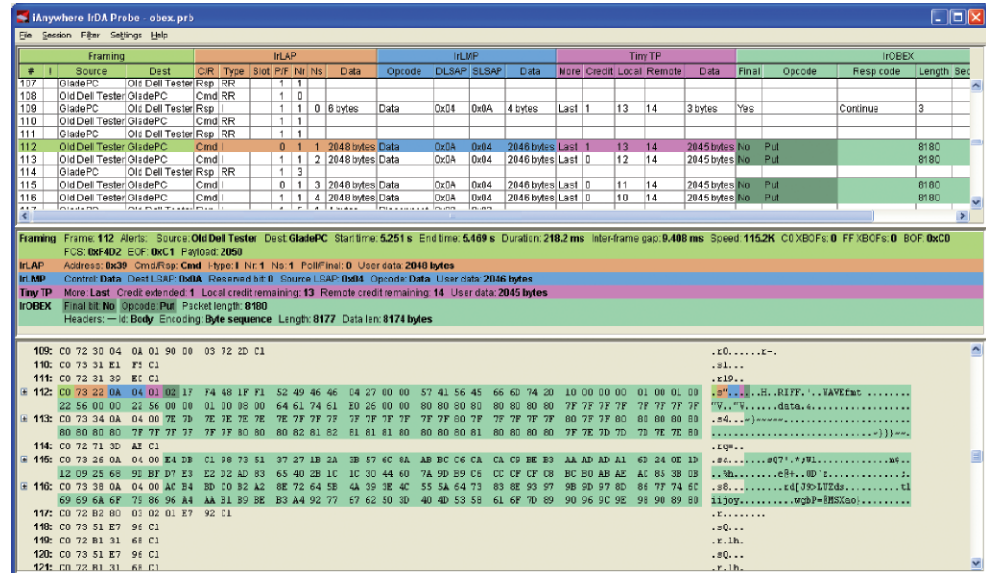
- Connects to PC host via standard USB 2.0 cable to an adapter with two infrared receivers.
- Adapter case is identical to iAnywhere's IrDA Probe version 4.1.
- LEDs indicate if the device is powered and if there is any transmission activity.

IANYWHERE IRDA PROBE

- Decodes IrSimple, IrLAP, IrLMP, IrIAS, Tiny TP, IrCOMM, OBEX, and IrFM.
- Automatically detects IrCOMM, OBEX, IrSimple, IrFM, or other application traffic.
- Can filter by protocol, allowing you to see only frames that contain data of the specific protocol.
- Displays different layers of protocol data side-by-side for easy analysis.
- Frame capture limited only by available memory, shows number of frames captured and how many alerts (errors) have occurred.
- Detailed information about each frame is accessible with a single click. A complete, color-coded decode of the current frame (including all layers) and its hexadecimal representation are always displayed. Right clicking on a byte in the hexadecimal pane shows bit-by-bit decode of data.
- Streamlined "alert" system flags all errors and suspicious behavior. Alerts can be shown or hidden by type using context-sensitive menus.



- Display is extremely configurable; columns can be shown or hidden by protocol or by individual protocol data units.
- Supports Windows 2000 and Windows XP operating systems.
- Supports standard IrDA SIR, MIR and FIR data rates.



After installation, the Probe sensor is placed between two IrDA devices. The user then initiates the software's "capture" function. All IrDA-compatible traffic is captured, analyzed for errors and displayed in an easy-to-read format.

In addition to the enhanced IrDA Probe, iAnywhere also provides the following IrDA Test Tools:

iAnywhere IrDA Test Suite: The only IrDA qualified IrFM tester available. Software test suite including all required and optional test cases for complete IrDA, IrFM and OBEX compliance testing.

iAnywhere IrDA Primary: Software kit of 300 test cases testing compliance with IrDA's Primary IrLAP v1.1 requirements.

iAnywhere IrDA Secondary: Software kit of 597 test cases testing compliance with IrDA's Secondary IrLAP and IrLMP v1.1 requirements.

iAnywhere IrDA Scripter: Easy to use software script tool to enable the creation of original IrDA test scenarios for use with other iAnywhere IrDA test tools.

For more information and a list of distributors visit www.sybase.com/IrDA.