

device under test requirements

To perform tests of your device's primary capability, the Test Suite must assume that it will perform a standard IrDA communication sequence. This sequence is as follows:

1. Device discovery.
2. IrLAP connection to discovered device.
3. IrLMP connection to connected device's IAS server.
4. IAS query of secondary device's IAS server.

If the device determines that the process failed, it must begin again at step one. The repetition may be accomplished via user interaction with the device, or it may be set to repeat automatically.

required hardware

CPU: Pentium class, running at 100Mhz or faster.

Hard drive: At least 50MB free.

Operating system: Real-mode MS-DOS or Windows 95 in "command prompt only" mode.

Infrared hardware: ESI 9680 dongle connected to COM1 or COM2 or laptop with built-in infrared support on COM1 or COM2.

RAM: 16MB or more with HIMEM.SYS installed.

About Extended Systems IrDA Test Tools

IrDA (Infrared Data Association) Infrared communication provides the primary universal cordless connectivity for approximately 500 million of the devices shipped since the year 2000. One primary reason for IrDA's success is the easy and certain interoperability that has been achieved by suppliers. Extended Systems has played a major part in ensuring this interoperability through its involvement in the creation of specifications, test and interoperability requirements, software development kits and test tools designed to help developers ensure that their implementations continue the legacy of meeting users' expectations of universal connectivity and ease of use.

With Extended Systems 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.

Extended Systems provides the following family of IrDA Test Tools:

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

XTNDAccess IrDA Probe: Hardware and software kit to capture, display and analyze IrDA communications between two devices

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

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

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

Extended Systems

Corporate Office

5777 North Meeker Avenue
Boise, Idaho 83714
541-758-6123
541-758-6120 - Fax
info@extendedsystems.com

For more information and a list of distributors visit our web site:
www.extendedsystems.com

