

USB to IrDA[®] SIR Adapter

ACT-IR100UD

- ⊗ Supports mandatory IrDA[®] layer: IrPHY[™], IrLAP[™], IrLMP[™] and IAS[™].
- ⊗ Supports upper layers TinyTP[™], IrCOMM[™], IrLPT[™], and OBEX[™] transport.
- ⊗ Supports both IrDA Primary and Secondary mode, changing via PC utility.
- ⊗ Supports 1.2, 2.4, 4.8, 9.6, 19.2, 38.4, 57.6, or 115.2 kbps through Utility setup.
- ⊗ Virtual COM port supported through Prolific USB to Serial device. Virtual COM has Less Latency time, average is 1.5 ms. The latency of a real COM port is about 0.5ms.
- ⊗ Fully compliant with USB 2.0 (Full speed, 12 Mbps).
- ⊗ USB chip has 256 bytes outbound buffer and 256 bytes inbound buffer.
- ⊗ IrDA chip has 2048 bytes IR frame and 2048 bytes Host buffer.
- ⊗ Nothing or minimum changes in user software, which are already working with ACT-IR100SD RS232 serial adapter.
- ⊗ No need any external power supply.
- ⊗ ACT-IR82x0D evaluation kit is also optional for evaluation & development purpose.
- ⊗ Supports Windows 98/ME/2000, [Win XP SP2/Vista/Win 7/8 \(32 & 64 bit\)](#), [Win Server 2003/Win Server 2008 \(32 & 64 bits\)](#), Mac OS (both Intel & Power PC), [Android](#), Linux, Windows-CE (ARM & x86)

The only IrDA[®] adapter supplier that has test tools to help your system to be IrDA[®] compliant !



USB to IrDA[®] SIR Adapter

ACT-IR100UD

Specifications

❖ Host Communication Speed

Factory default preset at 115.2 k bps; changeable to 1.2, 2.4, 4.8, 9.6, 19.2, 38.4, 57.6, or 115.2 kbps through Utility setup

❖ Allowable IrDA[®] Communication Speed and Distance:

Speed: 9.6k, 19.2k, 38.4k, 57.6k, 115.2k bps;

Distance: 1 cm ~158 cm

❖ Power Source

Obtains power directly from USB port; no external power needed

❖ Power Consumption:

Transmit current: 62 mA, Receive current: 46 mA, Ready current 44 mA

❖ Dongle Dimension / Weight:

Head 6.2 cm (2.4") L X 3.6 cm (1.4") W X 1.9 cm (0.7") H;

cable 120 cm (47.2") / 62.5 g (2.19 oz)

❖ Operating / Storage Temperature:

0°C to 60°C / -20°C to 85°C

(32°F to 140°F / -4°F to 185°F)

The only IrDA[®] adapter supplier that has test tools to help your system to be IrDA[®] compliant !

 **CTiSYS Corporation**

921 Corporate Way

Fremont, CA94539, U.S.A.

Tel: +1-510-490-8024

Fax: +1-510-623-7268

E-mail: <mailto:irda-info@actisys.com>

Web Site: <http://www.actisys.com>