

USB to IrDA[®] SIR Adapter

ACT-IR100UD, an USB to IrDA[®] SIR Adapter

- ⊗ 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.
- ⊗ Supports Windows 2000/XP/Vista. For MacOS, Linux, Windows-CE and other operating systems driver support, please contact our Technical Support:
support@actisys.de.

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



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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:

9.6k, 19.2k, 38.4k, 57.6k, 115.2k bps;
1 cm ~158 cm

🌀 Power Source

Obtains power directly from USB port; no external power needed

🌀 Power Consumption:

Transmit current: \leq 62 mA, Receive current: \leq 46 mA, Ready current \leq 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)

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