

IR100SD OBEX Server

an IrReady™ Intelligent Embedded RS232 Adapter

ACT-IR100SD provides a serial interface to a host device that intends to have infrared communication capability. It handles all the details about IrDA® protocols, with hardware flow-control. It supports both Primary and Secondary modes. When it is set to Primary mode, user can choose IrCOMM™, IrLPT™ or OBEX™ PUT/GET server to be Primary protocol via a simple PC utility.

- ★ Complete IrDA Protocol stack in dongle.
- ★ Supports both IrDA Primary and Secondary mode, changeable via PC utility.
- ★ Supports mandatory IrDA layer: IrPHY™, IrLAP™, IrLMP™ and IAS™.
- ★ Supports upper layers TinyTP™, IrCOMM™, IrLPT™, and OBEX™ PUT/GET server.
- ★ Supports 3 wires host interface (Tx, Rx and GND).
- ★ No driver is needed.
- ★ Interface to Host:

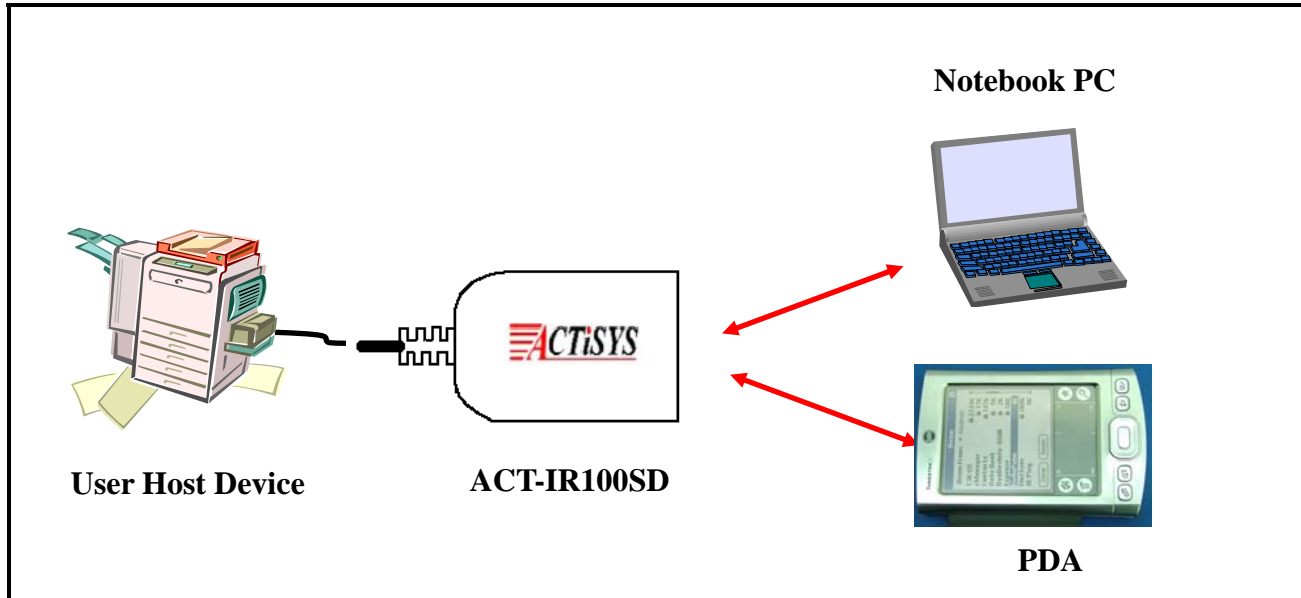
Full-duplex asynchronous serial (TXD, RXD)

Hardware flow control (RTS, CTS)

Optional line status for link control (DTR, DSR)

Other unused inputs (RI, CD)

Designed for use in RS232C level and it is in DTE (Data Terminal Equipment) configuration.



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



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Specifications

★ Communication speed:

Supports host baud rate from 1.2 kbps to 115.2 kbps, which is changeable by PC utility.

Supports IrDA® baud rate from 9.6 kbps to 115.2 kbps, which is flexible setting by IrDA® devices.

★ IR frame and host buffer:

2048 bytes on both.

★ DC supply voltage:

6.0 ~ 12 V, typical 7.5 V

★ Operating /Storage temperature range:

0° ~ 60° C / -40° ~ 85° C

★ Power consumption:

40 mA ready mode; 50 mA active mode

★ Infrared transmitting range:

1 cm ~ 158 cm

★ RS232 signal threshold level

±3 ~ ±12 V; typical ±6 V

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