IrDA® – RS232 ADAPTER

ACT-IR110SD, an IrDA® Intelligent Embedded RS232 Adapter

- Supports mandatory IrDA® layer: IrPHY™, IrLAP™, IrLMP™ and IAS™.

- Supports upper layers TinyTP™, IrCOMM™, IrLPT™, and OBEX™ transport.

- Supports host baud rate from 1.2 kbps to 115.2 kbps, which is changeable by utility;

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

- Supports both IrDA Primary and Secondary mode, changeable via Comset_IR100SD.exe.

- Battery operated intelligent adaptor.

- No driver is needed.

- IR frame and Host buffer are 2048 bytes separately.

- Supply voltage: 6.0 V to 12 V.

- Power consumption: 1.650 mA on standby mode,

  60 mA on active mode.

- Supports 3 wires host interface (Tx, Rx and GND).

- Interface to Host:

    - Full duplex asynchronous serial (TXD, RXD)

    - Hardware flow control (RTS, CTS)

    - Optional line status for link control (DTR, DSR)

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ACT-IR110SD

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

IrReady

ACTiSYS
The Wireless Connectivity Expert

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Specifications

❖ **Host Communication Speed**

1.2k, 4.8k, 9.6k, 19.2k, 38.4k, 57.6k, 115.2k bps;

❖ **IrDA Communication Speed and Distance:**

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

1 cm ~158 cm

❖ **Power Source**

Obtains power from AC power adapter (optional) or batteries

❖ **Power Consumption:**

Active current: < 60 mA, Standby current: < 1.7 mA , Shutdown current < 0.004 mA

❖ **Long Battery Life:**

At least 10 hours for a 600 mAh battery running active mode continuously;

More than 15 days for the same battery staying at standby and shutdown status

❖ **Dimension / Weight:**

8 cm (3.1") L X 5 cm (2.0") W X 3 cm (1.2") H /

50 g (1.76 oz) without batteries; 86 g (3.03 oz) with batteries

❖ **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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