Complete IrDA® Protocol stack in a single chip.

No driver is needed.

Includes IrPHY™ encoding/decoding and interfaces directly to infrared transceivers for data rate up to 115.2 kbps. Only an external infrared transceiver is needed to complete an IrDA® compliant infrared communication subsystem.

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

Supports upper layers TinyTP™, IrCOMM™, IrLPT™, and OBEX PUT/GET server.

Supports host baud rate from 1.2 kbps to 115.2 kbps, which is changeable by PC utility or 8 pins on chip. 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.

IR frame and Host buffer are 2048 bytes separately.

Low supply voltage, 3.0 V to 3.6 V.

Current consumption: 20 mA standby, 30 mA active.

Ambient operating temperature: 0 ~ 70 °C (commercial) / −40 ~ 85 °C (industrial)

Small low profile plastic 52-pin QFP package.

Available in programmed and tested chips, assembled & tested boards, or fully packaged devices.

A ready-made IrDA®-compatible evaluation dongle ACT-IR100SD is available. It is strongly recommended to evaluate ACT-IR100SD before purchasing IR8200D chip.

A very useful Full Set Evaluation Kit is ACT-IR100SDK, which includes: ACT-IR100SD and ACT-IR4000US (notebook / desktop USB-IrDA® adapter). This kit provides ACT-IR100SD (connected to your device) exchanging IR data with ACT-IR4000US (connected to PC USB port), running under HyperTerminal with Windows IrDA® driver. It can avoid debugging multiple issues.
IrDA® Compliant Protocol Processor
ACT-IR8200D OBEX Server

ACT-IR8200D

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

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