IrDA® Compliant Protocol Processor

ACT-IR8210D

- A complete IrDA® Protocol stack in a single chip.
- No any 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 transport.
- Supports host baud rate from 1.2 kbps to 115.2 kbps, which is changed 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 512 bytes separately.
- Low supply voltage, 3.0 V to 3.6 V.
- Current consumption: 20 mA standby, 30 mA active.
- 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 board ACT-IR100SD is available. It is strongly recommended to test ACT-IR100SD before purchasing this chip.

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