

IrDA[®] Compliant Protocol Processor

ACT-IR82x0D

- **ACT-IR8200D /ACT-IR8210D (or briefly, ACT-IR82x0D) has a complete IrDA[®] Protocol stack in a single chip.**
- **No any driver 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**
- **Both IR frame and Host sides have buffer size 2 KB in ACT-IR8200D (or 0.5 KB in ACT-IR8210D).**
- **Low supply voltage, 3.0 V to 3.6 V.**
- **Current consumption: 20mA standby; 30mA active.**
- **Small low profile plastic 52-pin QFP package.**
- **Available in programmed and tested chips, assembled & tested boards, or fully packaged devices.**
- **Two ready-made IrDA[®]-compatible evaluation dongles ACT-IR100SD (RS232 interface) and ACT-IR100UD (USB interface) are available. It is strongly recommended to test ACT-IR100SD/UD before purchasing ACT-IR82x0D chip.**

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