

## **IrDA<sup>®</sup> Compliant Protocol Processor**

### **ACT-IR8200P/PM**

- A complete IrDA<sup>®</sup> Protocol stack in a single chip.
- Includes IrPHY<sup>™</sup> 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.
- Off-the-shelf, semi-custom, or full-custom firmware in on-chip Flash EPROM.
- Supports both IrDA Primary and Secondary mode.
- Supports host baud rate from 9.6 kbps to 115.2 kbps.
- Low supply voltage, 3.0 V to 3.6 V.
- Low current consumption, 2μA standby, 3mA active.
- Small low profile plastic 64-pin QFP package.
- Choice of different amount of on-chip RAM and Flash EPROM to optimize cost and performance.
- Available in programmed and tested chips, assembled & tested boards, or fully packaged devices.
- Abundant uncommitted on-chip resources can be utilized to implement a small complete embedded system by itself without a host CPU.
- A ready-made IrDA-compatible CMOS board and RS232 dongle for SCI interface are available: UART board: ACT-IR100Spi ; RS232 dongle: ACT-IR100SP
- A very useful Evaluation Kit Full Set is ACT-IR8200PEKK, which is: ACT-IR8200PEK + ACT-IR4000US (notebook/desktop USB-IrDA adapter). This is to test ACT-IR8200P with ACT-IR4000US in the earlier developing stage to avoid debugging multiple issues at the same time.

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