FOR IMMEDIATE RELEASE

ACTiSYS Announced Low Cost, Low Power, In-System Programmable, IrDA Primary And Secondary Protocol IC for Embedded Applications

Fremont, California, USA, December 8, 2003 - ACTiSYS Corp., a long-time and leading IrDA technology and solution provider, announced the new generation of low power, in-system programmable, low-cost IrDA Secondary Protocol IC (ACT-IR8250P) and IrDA Primary and Secondary Protocol IC (ACT-IR8200P), and small-size, self-contained daughter board (ACT-IR8250PDB), for embedded devices.

This product series enables manufacturers of embedded systems (PLC, medical monitoring device, industrial sensing device, instrumentation, cargo scale, serial printer, modem, etc.) to instantly convert RS232 port to IrDA port and to exchange data wirelessly with IrDA-enabled PDA and cellphone via IrDA beam, without porting IrDA protocol software.

The low cost, IrDA Protocol IC, IR8250P has a complete IrDA Protocol Secondary stack in a single chip, includes mandatory protocols of: IrPHY, IrLAP, IrLMP, and optional protocols of: IrLPT, IrCOMM+ TinyTP, OBEX Transport, or TinyTP with customized IAS class name for IrSocket. It also Includes IrPHY encoding/decoding function which interfaces directly to Infrared transceivers for data rate from 9.6kbps up to 115.2kbit/s. Only an external Infrared transceiver is needed to complete an IrDA compliant infrared communication subsystem.

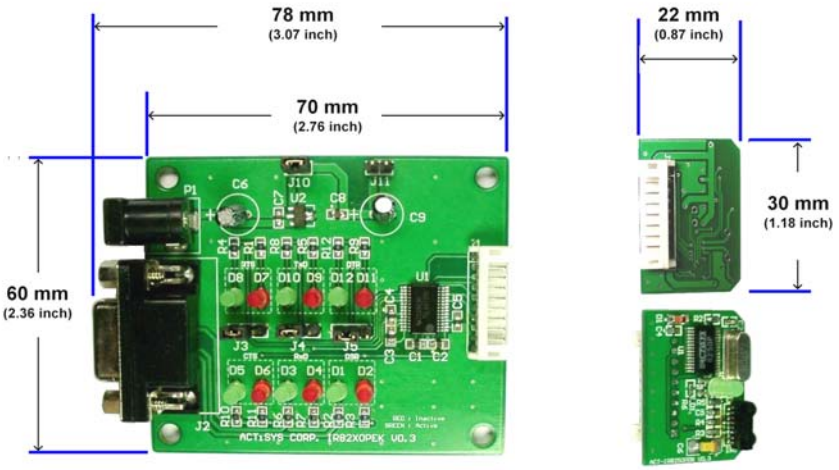
IR8250P interfaces to Host device via a full function UART port and supports host baud rate from 300kbit/s to 115.2kbit/s selecting by programmable settings. Furthermore, it also enables programmable device name, IAS class name and data format setting.

A unique feature of IR8250P is the programmable on-chip flash, which facilitates in-system firmware changes or updates. IR8250P is shipped with default protocol stack: IrLAP, IrLMP, IAS and IrComm. Manufacturer may upgrade or change their device functions by changing any of the following parameters: other IrDA protocol layers (IrLPT, IrOBEX Transport, IrSocket), data formats (8-n-1, 7-o-1, 8-o-1, etc.), IrDA transceiver models (pinout), or other customized features. ACTiSYS will e-mail the customized, pre-tested firmware to manufacturer who can easily download it and re-program IR8250P from PC to the embedded RS232 or UART port. This is a truly valuable flexibility to extend manufacturer's device lifetime and to assure compatibility with any future new IrDA devices.

Operating at low supply voltage, 3.0 V to 3.6 V, it has low current consumption at 2uA standby and 3mA active. Housed in a small low profile plastic 28-pin SSOP/TSSOP package, IR8250P costs $3 or less in high volume. It is also available in a full-function, pre-tested IrDA daughter board, IR8250PDB which has IrDA transceiver, IR8250P and 3.3V interface connector on a small PCB, 1.18" x 0.87" (3cm x 2.2cm). A convenient evaluation kit, IR8250PEK is also available, as shown in the photo below.

A more powerful chip in the family, ACT-IR8200P has all the above functions and programmability, plus the additional IrDA Primary Protocol or Primary+Secondary Protocol in one chip. With the same low operating voltage and low power consumption, it is housed in 64 pins, QFP package.

Both IrDA protocol ICs, housed in embedded RS232 adapters, have passed the tough IrReady certification and listed on IrDA website, www.irda.org/prodlist/irready.asp. IrReady certification requires testing IrPHY (BER, Intensity, Sensitivity, Timing), Protocol Lower Layers (IrLAP, IRLMP, IAS), and Profile Interoperability. It assures broad interoperability with any IrDA compliant devices, in error-free, reliable and efficient IR wireless data transfer.



IR82x0PMB **IR8250PDB**

Both IrDA protocol ICs, pre-assembled daughter board and evaluation kit are immediately available.

About ACTiSYS Corp.

ACTiSYS Corp., has been offering wireless connectivity hardware and software solutions for the mobile applications since 1990. We offered the IR wireless printing and PC data transfer two-in-one adapter for PDAs in 1991. We are the leading supplier of IrDA adapters for PC-RS232, USB, motherboard and parallel and serial printers. We also offer IrDA protocol processor, and external RS232 adapter and internal PCB for embedded systems.

We supply the effective IrDA BER (Bit Error Rate) handheld tester and is one of the five IrDA certification centers approved by IrDA Test Council. ACTiSYS was one of the early members of IrDA since 1992. Our executives were elected by the IrDA member companies to be chair of Technical committee, and Test/Interoperability committee.

We continue to develop unique IR and RF solutions for vertical markets as well as volume products for the consumer market. The company is privately funded and is headquartered in Fremont, California. Visit www.actisys.com for more information.

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