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For Immediate Release

Cypress Introduces Industry's First Integrated USB 2.0 Peripheral Controller

***480 Mbps Transfer Rate Opens USB to Higher-Bandwidth Applications;
Targets Printers, Scanners, Mass Storage Devices, and Broadband Systems***

SAN JOSE, Calif., January 29, 2000 – Cypress Semiconductor (NYSE: CY), the industry leader in USB 1.1 solutions, today introduced the EZ-USB FX2, the world's first USB 2.0 integrated peripheral controller, including an 8051 processor, a serial interface engine (SIE), a USB transceiver, on-chip RAM and FIFO and a general programmable interface. FX2 is a fully-integrated solution, requiring less board space and providing faster time to market.

The EZ-USB FX2 has a unique architecture, including a smart serial interface engine (SIE), which handles all basic USB functions, freeing the embedded MCU for application-specific functions and ensuring sustained high-performance transfer rates. FX2 also includes a general programmable interface (GPIF), which allows it to 'gluelessly' connect to any ASIC or DSP, as well as supporting all common bus standards, including ATA, UTOPIA, EPP and PCMCIA. The EZ-USB FX2 is fully USB 2.0 compliant and backward compatible with USB 1.1.

"USB 2.0 is fast," said Norman Taffe, Cypress's director of marketing for USB products. "At 480 MHz, it's 40x faster than USB 1.1, making it the perfect solution for high-bandwidth connections. USB 2.0 is also low-risk—it's backward-compatible with 1.1, providing a seamless migration path for both developers and users. And USB 2.0 is real—we're seeing lots of design-in activity at peripheral vendors."

Designing for USB 2.0 isn't simple, however. At speeds 40 times faster than USB 1.1, there are many high-speed design considerations that come into play. The EZ-USB FX2 solves the speed problem with a unique, integrated architecture that keeps the processor from becoming a bottleneck. Most USB functions are implemented on-chip, eliminating the need for external glue logic. The result is a fast, low-cost solution that is easy to implement.

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Cypress's 480-Mbps USB 2.0 peripheral controller was the first product to demonstrate functionality at Intel's Architecture Laboratory. According to Jason Ziller, USB-IF Chairman, "Cypress's success at Intel Labs should be the catalyst the design community needs to launch or ramp up their USB 2.0 development efforts."

Cypress is the No. 1 USB supplier, having shipped 83 million USB controllers, over half of all units currently in use. With the introduction of its USB 2.0 products—of which the EZ-USB FX2 is the first—Cypress intends to continue its leadership role in USB.

Price and Availability

The EZ-USB FX2 is sampling now. It will be available in production quantities later in Q1 priced from \$8.25 to \$9.75 in volumes of 1,000 units.

About Cypress

Cypress Semiconductor is "Driving the Communications Revolution"™ by providing high-performance integrated circuit solutions to fast-growing markets, including data communications, telecommunications, computation, consumer products, and industrial control. With a focus on emerging communications applications, Cypress's product portfolios include high-speed data communications ICs, networking-optimized and micropower static RAMs; high-bandwidth multi-port and FIFO memories; high-density programmable logic devices; timing technology for PCs and other digital systems; and controllers for Universal Serial Bus (USB). Cypress is No. 1 in the USB and clock chip markets.

More than two-thirds of Cypress's sales come from fast-growing communications markets and dynamic companies such as Alcatel, Cisco, Ericsson, Lucent, Motorola, Nortel Networks, and 3Com. Cypress's ability to mix and match its broad portfolio of intellectual property enables targeted, integrated solutions for high-speed systems that feed bandwidth-hungry Internet applications. Cypress aims to become the preferred silicon supplier for Internet switching systems and for every Internet data stream to pass through at least one Cypress IC.

Cypress employs more than 4,100 people worldwide with international headquarters in San Jose, California. Its shares are listed on the New York Stock Exchange under the symbol CY. More information about Cypress is accessible electronically on the company's worldwide Web site at <http://www.cypress.com>.

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"Driving the Communications Revolution" is a trademark of Cypress Semiconductor.