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For Immediate Release

**Cypress OC-48 Transceiver With Integrated CDR
Lowers Real Estate and Power Requirements on System Boards**

***2.5 Gbps Transceiver Offers Industry's Most Compact Package, Lowest Power Consumption,
Extends Cypress's Penetration of High-Speed Optical Networking Market***

SAN JOSE, Calif., August 21, 2000 – Cypress Semiconductor (NYSE: CY), building on its established capabilities in high-speed data communications solutions, today introduced a fully-integrated, 2.5 Gbps OC-48 transceiver for high-speed optical networking systems. The CY7B9532V is packaged in a 120-pin TQFP and uses only 1.3 Watts of power, the lowest in the industry. Designed for OC-48/STM-12 optical terminator, SONET router and Add-Drop Mux subsystems, the Cypress OC-48 optical transceiver is offered in a package that is smaller and has fewer pins than any comparable device.

“Cypress has provided physical layer devices since 1996. With this 2.5 Gbps transceiver we enter the market for the high-speed, high-performance OC-48 solutions that are the workhorse of today's high-speed optical communications landscape,” said Christopher Norris, vice president of Cypress's data communications division. “OC-48 devices currently carry over 80 percent of today's Internet and WAN traffic. Our OC-48 transceiver takes advantage of our core competency in physical layer devices and opens the door to future penetration of this huge and fast-growing market with even faster solutions that will support OC-192 and OC-768.”

The CY7B9532V integrates an OC-48 transmitter, receiver, clock data recovery (CDR) circuit, and SERDES in a single chip, saving significant board real estate and lowering the power requirements for the board as a whole. The on-chip transmit FIFO allows for a flexible data clocking rate. Support for the LVPECL interface provides connectivity to a wide selection of network mappers and framers while additional support for the HSTL parallel interface drives low Z transmission lines and eliminates the need for resistors in short interconnections.

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“The CY7B9532V is the first of a full line of high-speed, optical networking devices that Cypress will bring to the market,” stated Gopal Garg, director of WAN product marketing. “Our target customers for these transceivers already recognize Cypress as an innovative and reliable supplier of physical layer devices. Our ability to provide a broad range of related solutions for the optical communications market – including specialty memories, programmable skew clock buffers and complex programmable logic devices (CPLDs) – will position Cypress favorably as we diversify to mission-critical optical networking components.”

Pricing and Availability

Samples of the CY7B9532V transceiver and evaluation boards are available now. Production volumes of the device will ship early in the fourth quarter, priced at \$166 for quantities of 1,000.

About Cypress

Cypress Semiconductor provides high-performance integrated circuit solutions “By Engineers. For Engineers.™” for fast-growing companies in fast-growing markets, including data communications, telecommunications, computation, consumer products, and industrial-control. With a focus on emerging communications applications, Cypress's product lines include 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 3,900 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> or by CD-ROM (call 1-800-858-1810). An electronic investor forum, and other investor information, is located at <http://www.cypress.com/investor/index.html>.

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