CYPRESS CONTINUES SPECIALTY MEMORY PUSH WITH INDUSTRY'S FASTEST x16 DUAL-PORTS

15 ns Speed, Low Cost Bring Dual Ports into Mainstream Market

SAN JOSE, Calif., March 25, 1996 -- Cypress Semiconductor today introduced eight new dual-port static RAMs, including the industry's fastest x16 dual-ports at 15 ns. The new products offer designers increased performance and address the requirements of wider 16- and 32-bit buses, making them ideal for applications including telecommunications switches, networking equipment (hubs, routers, LAN equipment), and cellular base stations.

The new x16 dual-ports from Cypress are pin-for-pin compatible with industry-standard devices, but offer the highest performance and lowest power (150 mA typical) available. They are also offered in space-saving TQFP packages for designs where board space is critical. The devices are listed below:

Part Number	Density
CY7C133 (master)	2K x 16
CY7C143 (slave)	2K x 16
CY7C024/0241	4K x 16/4K x 18
CY7C025/0251	8K x 16/8K x 18
CY7C006/016	16K x 8/16K x 9

The new dual-ports are part of an aggressive push by Cypress in the specialty memory market. In the third quarter of 1995, Cypress introduced speed-leading industry-standard asynchronous First-In First-Out (FIFO) memories at 10 ns, as well as the industry's fastest synchronous FIFOs at 100 MHz.

Bill Eichen, director of marketing for Cypress's Data Communications products, said, "The introduction of these new dual-ports strengthens our leadership position in the specialty memory market. We now offer the lowest power dual-port and FIFO solutions for networking, telecom, and peripheral applications. Dual-port RAMs are no longer a niche business as they allow designers to use shared memory cost-effectively."

<u>New Dual-Ports Offer Advanced Features</u>

Dual-port RAMs allow the same piece of data to be shared by multiple processors. Two ports provide independent, asynchronous access for reads and writes to any location in memory. In addition to high performance and low power consumption, the new Cypress dual-ports offer a variety of advanced features and functionality. Cypress is the only vendor to offer a x18 dual-port configuration. The extra bits allow for parity to ensure data integrity and flag bits to denote end-of-record deliniation. The new products also offer semaphores which are used to pass status from one port to the other to indicate that a shared

resource is in use. Interrupt flags are provided which permit communication between ports or systems by means of a mail box.

Price and Availability

All of the new dual-ports are available immediately. The CY7C133 and CY7C143 are offered in 68-pin PLCC packages. The CY7C024/0241 and CY7C025/0251 are available in both 84-pin PLCC and 100-pin TQFP packages. The CY7C006 is offered in both 68-pin PLCC and 64-pin TQFP packages, and the CY7C016 comes in both 68-pin PLCC and 80-pin TQFP packages. Pricing for the 2K x 16 CY7C133 starts at $11.75 in 10,000-unit quantities.

Cypress Semiconductor Corporation is an international supplier of high-performance integrated circuits with worldwide headquarters in San Jose, California. The company provides a broad range of products for leading computer, networking, and telecommunications companies worldwide. The company's product line includes static RAM and EPROM memories, programmable logic devices (PLDs), field-programmable gate arrays (FPGAs), data communications products, and personal computer chipsets and timing devices. Cypress shares are listed on the New York Stock Exchange under the symbol CY. The company has a site on the worldwide web at http://www.cypress.com, and offers a fax-on-demand service at (800) 213-5120 or (408) 943-2798 outside North America.