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For Immediate Release

CYPRESS SETS THE NEW BANDWIDTH STANDARD IN SPECIALTY MEMORIES

The "Beast™" FIFO Offers Highest Bandwidth Ever, Over 30 Gbps

- **Widest Monolithic Memory at 80 bits**
- **Fastest FIFO Available at 200 MHz**
- **Largest Density Up to 5 Megabits**

SAN JOSE, Calif., April 10, 2000 -- Cypress Semiconductor Corporation (NYSE:CY) today eclipsed all other FIFO (first-in, first-out) offerings with the introduction of the "Beast™" family of 80-bit-wide devices. The new FIFOs offer unparalleled bandwidth of over 30 Gigabits per second (Gbps), more than twice that of any competitor. The family breaks new ground, not only operating at 200 MHz with 5 Megabits of density but at a new low voltage offering of 2.5 V. The Beast FIFO is consistent with Cypress's strategy to maximize specialty memory bandwidth, a critical attribute in bandwidth-hungry datacom applications, including the routers and switches that power the Internet.

"Cypress has continuously pushed the bandwidth boundaries in specialty memories, as opposed to focusing on density," said Geoff Charubin, director of specialty memories. "We were the first to hit the 10 Gbps plateau with the 133 MHz x36 FIFO and the QuadPort™ RAM. We are again the first to break 30 Gbps with the Beast FIFO. We have clearly built a leadership position in this area, and we plan to continue to raise the bar."

Beast FIFO Features

The Beast offers bus matching on both the input and output ports, allowing the x80 device to be configured as x40, x20, x10, or any combination of widths. The x80-bit interface can easily accommodate the 64-bit-wide interfaces of processors and DSPs. The Beast FIFOs provides the ability to add extra parity bits or additional control information bits to be buffered with the data bits. This

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allows enhanced fault tolerance in systems and offers a convenient method for out-of-band signaling. Designers can easily interface buses of different widths, while utilizing the entire depth of the FIFO. Additionally, the two independent ports can operate at different data rates, providing seamless interfacing between multiple, disparate clock domains. No external logic is required.

The Beast family extends to 5 Megabits of memory-buffering capability, making them the largest FIFOs available. The devices are ideal for bandwidth-hungry local area networks (LANs), wide area networks (WANs), and storage attached networks (SANs), all of which are used to transfer and store the rapidly expanding amount of data, voice and video traffic that travels over the Internet. (Bandwidth equals the word width of a device, times the number of ports, times the clock speed.)

The 2.5 V Beast devices are the first low-power FIFOs in this range that still achieve the highest switching speeds. The migration towards 2.5 V FIFOs is driven by processors and memories that have moved to lower voltage supplies to reduce power consumption.

Price and Availability

Cypress's 64K x80 Beast FIFO (CY4808V25) is offered in a 19 mm x 19 mm, 288-ball BGA package with a 1-mm lead pitch. Samples of the Beast FIFO are scheduled to be available in the second quarter of 2000, with full production slated for the third quarter. The Beast FIFO is priced from $98 in 10,000-unit quantities.

Part Number	Pricing	Samples	Production
CY7C4804V25	$50	July	September
CY7C4806V25	$70	July	September
CY7C4808V25	$97	July	September

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 multiport 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 datacom/telecom markets and dynamic companies such as 3Com, Alcatel, Cisco, Ericsson, Lucent, Motorola, and Nortel Networks. 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 3,600 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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