

Contacts:
Louie Yan
PR Manager
(408)943-2817
LRY@cypress.com

For Immediate Release

**Cypress Introduces the First 40 MHz Communications Processor
For LONWORKS® EIA-709.1 Control Networks**

***Intelligent Control Processor Family Provides Easy Upgrade Path, High Speed and Low Cost
To Drive Building Automation, Home Networking and Embedded Internet Control Applications***

Proprietary, Nonvolatile SONOS Process Drives Performance Enhancements

SAN JOSE, Calif., October 16, 2000 – Cypress Semiconductor (NYSE: CY) today introduced the industry's first 40 MHz intelligent control communications processor for LONWORKS® control networks. Each device contains three 8-bit CPUs, on-board memory, 11 general purpose I/O pins, and a complete, interoperable implementation of the ANSI/EIA709.1-A-1999 Control Network Protocol standard. Neuron® Chips provide the logic for LONWORKS networks, an open, interoperable control networking standard widely used in building automation, industrial control, transportation, and utility automation applications.

The CY7C53120E4 operates at 40 MHz – four times the speed of existing controllers – providing the performance sought by designers of time-critical applications, such as embedded Internet systems that remotely monitor and control electrical devices through online connections. This controller integrates 4 KBytes of on-board EEPROM, allowing designers to cost-effectively implement it in large, complex systems.

“Cypress is recognized as a reliable, low-cost, high-volume supplier of intelligent control semiconductor devices to the LONWORKS market,” said Dr. Harold Rabbie, senior marketing manager for intelligent control communications products at Cypress. “Internet-enabled remote monitoring and control is the ‘killer app’ that the distributed control industry has been waiting for, and we are gearing up to ride the wave of growth in this market.”

Cypress is also introducing the CY7C53120E2 and CY7C53150 devices, exact drop-in replacements for legacy designs. The CY7C53150 operates at 20 MHz, double the speed of earlier

-MORE-

devices. It supports up to 58 KBytes of off-chip program and data for large, low-cost, high-performance LONWORKS applications. The CY7C53120E2 is configured with 2 KBytes of EEPROM and operates at 10 MHz.

The communications controllers are the first to be manufactured using Cypress's SONOS (Silicon Oxide Nitride Oxide Silicon) process, a cost-effective, proprietary, programmable, non-volatile memory technology compatible with logic and SRAM. The use of SONOS technology enabled Cypress engineers to develop its controllers in a record time of nine months. The 0.35-micron SONOS process makes possible a smaller die, resulting in a fast, 40 MHz Neuron device.

"SONOS and these intelligent control devices exemplify the breadth of Cypress's engineering talent, encompassing a broad mix of skills in advanced dielectric manufacturing, sophisticated analog design, and system software development," stated T.J. Rodgers, Cypress's president and CEO. "Our engineering expertise has placed us technologically ahead of our competition in this market, positioning us for aggressive growth."

Market consensus over seven competing network standards also is expected to drive the growth of LONWORKS networks and the Neuron Chips they rely on. LONWORKS received an important vote of confidence when Cisco Systems's CEO John Chambers endorsed the standard at last year's Comdex trade show.

Cisco uses a LONWORKS network in its Internet Home Briefing Center to demonstrate applications and services that can be found in a home with broadband Internet services, such as multi-player gaming, video on demand, and home management. The home contains the traditional wiring – phone and power only – used in most existing homes, as well as a wiring layout used in new and custom homes that includes data, voice and video. A virtual tour of the home can be accessed at http://www.cisco.com/warp/public/779/consumer/internet_home.html.

Availability and Pricing

Cypress will ship its intelligent communications control devices early in 2001. The 40 MHz and 10 MHz versions of the CY7C53120, priced at about \$4.20 and \$3.55 respectively for volumes of 10,000, will be packaged in 32-pin SOIC and 44-pin TQFP. The 20 MHz CY7C53150 device will be packaged in a 64-pin TQFP and priced at about \$3.25 in volumes of 10,000.

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 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> 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>.

#

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: Statements herein that are not historical facts are "forward-looking statements" involving risks and uncertainties, including but not limited to the effect of global economic conditions, shifts in supply and demand, market acceptance, the impact of competitive products and pricing, product development, commercialization and technological difficulties, and capacity and supply constraints. Please refer to Cypress's Securities and Exchange Commission filings for a discussion of such risks.

"Driving the Communications Revolution" is a trademark of Cypress Semiconductor. Neuron and LONWORKS are registered trademarks of Echelon Corporation.