



**CYPRESS SEMICONDUCTOR AND  
RAMTRON INTERNATIONAL CORPORATION  
ENTER TECHNOLOGY AGREEMENT**

*Future Products to Target Network Communications Market*

COLORADO SPRINGS, CO, November 18, 1999 – U.S. semiconductor maker Ramtron International Corporation (Nasdaq: RMTR); Ramtron's wholly owned subsidiary, Enhanced Memory Systems, Inc.; and Cypress Semiconductor (NYSE: CY) announced today that they have entered into a joint technology agreement to develop semiconductor memory products for the rapidly expanding network communications market. The multi-million dollar agreement provides for joint development and multi-source supply for the resulting products.

"We are excited about the potential benefits of incorporating jointly developed technology in our future products," said Tony Alvarez, senior vice president of Cypress Semiconductor. "The products we envision will set new standards for price and performance in the network communications memory space."

"We are pleased to be working with Cypress to define and produce multi-sourced, industry-leading memory products for the network communications market," said Craig Rhodine, Ramtron vice president."

**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.

Cypress employs more than 3,500 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>.

**About Ramtron**

Ramtron is the leading developer of ferroelectric random access memories (FRAM®) products -- new high-performance nonvolatile memories that merge the benefits of many mainstream memory technologies into a single device. The company also develops and markets ultra-high performance EDRAM® memory products. Ramtron holds 148 international and U.S. patents covering its proprietary technologies. For more information about Ramtron and its products, contact: Communications Department, Ramtron International Corporation, 1850 Ramtron Drive, Colorado Springs, Colorado, USA, 80921. Telephone is 800-545-FRAM (3726); FAX is 719-481-9294; E-mail address is [info@ramtron.com](mailto:info@ramtron.com). Homepage is <http://www.ramtron.com>.