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**NEC JOINS QDR™ SRAM CO-DEVELOPMENT TEAM TO PRODUCE QUAD DATA RATE SRAM's*****QDR SRAM continues to gain momentum as another manufacturer joins the co-development effort***

**SAN JOSE, Calif., January 29, 2001** – Cypress Semiconductor Corp. (NYSE: CY), IDT, Inc. (NASDAQ: IDTI) Micron Technology Inc. (NYSE: MU), and NEC Corporation (NASDAQ: NIPNY) today announced NEC joined the co-development team to design and manufacture Quad Data Rate (QDR™) static RAMs. QDR SRAM is the multi-sourced standard for high-performance memories in switches, routers and other applications needing to operate at data rates above 200 MHz.

In 1999, the QDR SRAM co-development arrangement formed to define new SRAM architectures for future high-performance communications applications. A uniquely revolutionary arrangement, the participating companies work closely together to ensure multiple sources for the new QDR SRAMs by developing pin- and function-compatible products. Each member provides system expertise and product direction, delivering to customers the collective benefit of the members' wide range of market experience and innovative technology.

"NEC joined the QDR SRAM co-development team because the QDR SRAM architecture has become a high performance standard in the industry," said Zensuke Matsuda, General Manager of NEC Corporation's 2<sup>nd</sup> LSI Memory Division. "It is the most viable means to achieve the high-bandwidth memories required by the next wave of high-speed data networks. We are committing to this specification because it drives the development of the memory products our customers need to design their future data networking systems. In short, QDR is what our customers want."

"We are pleased to welcome NEC to the QDR SRAM co-development team," said Jerry Johnson, Micron's Marketing Manager. "They offer a strong customer representation in Japan and the Asia-Pacific region. NEC's participation brings an additional QDR source to the market,

further reassuring QDR SRAM users that these high-performance memories are on multiple supplier roadmaps.”

“We are pleased NEC joined the QDR SRAM co-development project,” said Joe Kirchgessner, director, Hardware Engineering , Équipe Communications Corporation. “We’ve chosen QDR memories for a new high-speed design platform because it simplifies design requiring high bandwidth while dramatically reducing board area with the new 13mm X 15mm FBGA package.”

The QDR SRAM architecture incorporates extensive input from networking industry leaders. The new devices have two ports that independently run at double data rate (DDR), resulting in four data items per clock cycle. Depending on the applications, QDR SRAMs can more than double the SRAM bandwidth. Like other co-development member companies, NEC will design its devices using its own technology and fabrication facilities, and will deliver products according to its own internal schedules.

#### **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). Its shares are listed on the New York Stock Exchange under the symbol CY and its Web site is [www.cypress.com](http://www.cypress.com).

#### **About IDT**

IDT enhances the global network with semiconductor solutions for communications companies that lead innovation and drive convergence in voice, data and wireless networks. IDT's communications memories offer the broadest selection of FIFOs and multi-ports; its communications ASSPs include ATM switches, TSI/TDM switches, high-speed PHYs and

embedded processors; and the product mix also incorporates high-performance logic, clock management products and high-speed SRAMs. IDT's stock is traded on the Nasdaq stock market under the symbol IDTI. Additional information about IDT is easily accessible at [www.idt.com](http://www.idt.com) or by calling 800-345-7015.

**About Micron**

Micron Technology, Inc. and its subsidiaries manufacture and market DRAMs, very fast SRAMs, Flash Memory, other semiconductor components, memory modules, and personal computer systems. Micron's stock is traded on the New York Stock Exchange (NYSE) under the symbol MU, and its Web site is [www.micron.com](http://www.micron.com).

**About NEC**

NEC Corporation (NASDAQ: NIPNY, FTSE: 6701q.1, TSE:6701) is a leading provider of Internet solutions, dedicated to meeting the specialized needs of its customers in the key computer, network and electron device fields through its three market-focused in-house companies: NEC Solutions, NEC Networks and NEC Electron Devices. NEC Corporation, with its in-house companies, employs more than 150,000 people worldwide and saw net sales of 4,991 billion Yen (approx. US\$48 billion) in fiscal year 1999-2000. For further information, please visit the NEC home page at: <http://www.nec-global.com>

**About Équipe Communications Corporation**

Équipe Communications Corporation is focused on delivering products and solutions to carriers and service providers to enable new services and higher capacity networks to be deployed. The company's next generation multilayer services platform provides an Optical On-Ramp to the exploding optical network core that allows service providers to leverage their existing edge infrastructure and deploy revenue generating services. Contact Équipe at [info@equipecom.com](mailto:info@equipecom.com) or <http://www.equipecom.com>.

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by 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 the companies' Securities and Exchange Commission filings for discussions of such risks.

QDR SRAMs and Quad Data Rate comprise a new family of products developed by Cypress Semiconductor, IDT, Micron Technology, and NEC. QDR and Quad Data Rate are trademarks of the QDR Co-development Team. "Driving the Communications Revolution" is a trademark of Cypress Semiconductor.