



News Release

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Elpida Memory Delivers DDR3 SDRAM Memory Modules to Intel

*512 Megabyte and 1 Gigabyte DIMM Samples Achieve GHz-class
Speeds; the Industry's Highest Memory Performance Available*

TOKYO, JAPAN, November 14, 2005 –Elpida Memory, Inc. (Elpida), Japan's leading global supplier of Dynamic Random Access Memory (DRAM), today announced the sample shipment of 512 Megabit DDR3 SDRAM components, 512 Megabyte Dual In-line Memory Modules (DIMMs) and 1Gigabyte DIMMs to Intel. DDR3 SDRAM is the next-generation memory for servers and computing applications, and it is now the highest performing memory with data transfer rates up to 1066 Megabits per second (Mbps).

"The availability of these samples allows systems developers such as Intel to evaluate new features and GHz-class performance across all DIMM sockets on the motherboard with the memory controller and the processor," said Jun Kitano, director of Technical Marketing for Elpida Memory (USA). "The new DDR3 platform provides nearly twice the performance of the DDR2 architecture, and it is gaining great momentum."

Features of DDR3 Samples Shipped:

The 512 Megabyte and 1 Gigabyte DIMMs are unbuffered for PC applications, and they are the same size and form-factor as the current-generation DDR2-based DIMMs. The 512 Megabit DDR3 components that are on the DIMMs were developed using Elpida's 90 nm advanced process technology. The devices are organized as 64 million words x 8-bits, and

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they achieve 1066 Mbps - nearly double the speed of DDR2-based devices. They also have low, 1.5 Volt operation - a 17% power reduction versus DDR2. New features have been implemented in the DDR3 specification, including auto-calibration on the output buffer for high speed interface operation and interrupt reset for system flexibility.

Elpida originally announced details on the development of DDR3 SDRAM components on August 23, 2005 ([Elpida Memory Completes Development of Next-Generation 512 Megabit DDR3 SDRAM for High-Performance Computing](#)).

Availability

The first module samples have been delivered to Intel. Engineering samples will be available to all customers in 2006, and volume production will begin in accordance with market demand.

About Elpida Memory, Inc.

Elpida Memory, Inc. is a manufacturer of Dynamic Random Access Memory (DRAM) silicon chips with headquarters based in Tokyo, Japan, and sales and marketing operations located in Japan, North America, Europe and Asia. Elpida's state-of-the-art semiconductor wafer manufacturing facilities are located in Hiroshima, Japan. Elpida offers a broad range of leading-edge DRAM products for high-end servers, mobile phones, digital television sets and digital cameras as well as personal computers. Elpida had sales of ¥207.0 billion during the fiscal year ending March 31, 2005. For more information, visit www.elpida.com.

The information contained within this news release, is current as of the date of release. Please note that the information herein may be revised later without prior notice.

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