



FOR IMMEDIATE RELEASE

## Elpida Ships Samples of x32-bit I/O 2-Gigabit DDR2 SDRAM

*x32-bit I/O Configuration Operates Up to 1066 Mbps*

**Tokyo, Japan, November 26, 2009** – Elpida Memory, Inc. (TOKYO: 6665), Japan’s leading global supplier of Dynamic Random Access Memory (DRAM), today announced that it had begun sample shipments of a 2-gigabit x32-bit I/O DDR2 SDRAM that operates up to a high speed of 1066 Mbps. The new memory device is capable of meeting the need for 1.8V x32-bit and x16-bit I/O as well as low-voltage 1.5V x32-bit and x16-bit I/O.

Rapid advances in the image quality and functionality of digital TV, digital still cameras and other new digital consumer equipment have led to a growing need for memory that can deliver faster speeds, higher densities and wide-bit configurations. Elpida’s newly developed 2-gigabit density x32-bit I/O product provides an optimal solution for these needs. Systems with a 32-bit CPU that require 2-gigabit memory density have until now had to rely on a conventional 1-gigabit x16-bit I/O two-chip design. Elpida’s new 2-gigabit x32-bit I/O product, however, reduces by half the number of mounted memory chips, simplifies high-speed memory bus design, conserves chip mounting space and lowers power consumption.

Also, the new DDR2 SDRAM is designed to operate at standard 1.8V as well as 1.5V and is well suited to meeting the need for low-power devices for use in mobile devices.

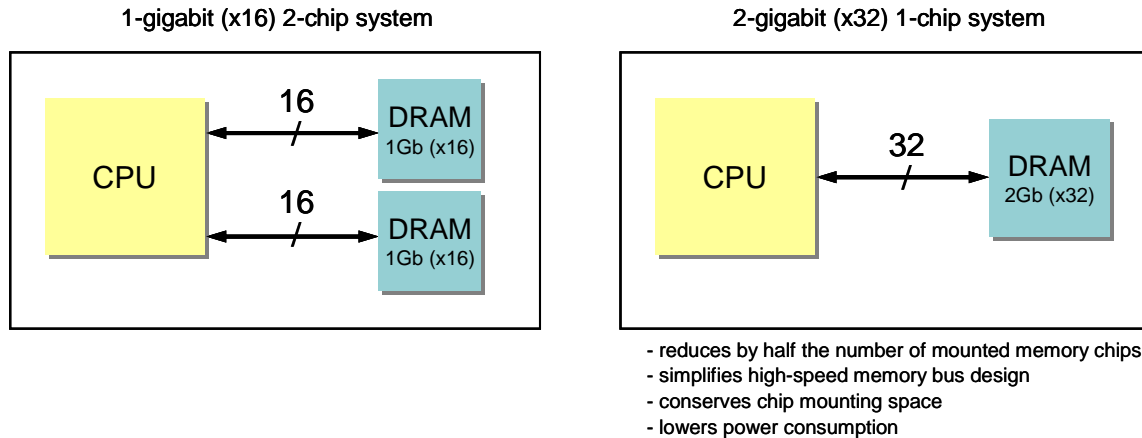
Volume production is scheduled to begin in the second quarter (April-June) of CY 2010.

### **New product features**

Product name	EDE2116ACBG EDE2132ACBG
Product manufacturing process	50nm CMOS
Memory capacity	2-gigabit
Data width	x16-bit x32-bit
Per pin data transfer rate	1066Mbps (max.)
Supply voltage	VDD: 1.8V (1.5V)
Operating temperature range (TC)	0 to 95°C
Packaging	x16-bit: 84 ball FBGA (lead free & halogen free) x32-bit: 128 ball FBGA (lead free & halogen free)

**Target market:**

Digital TV, Blu-ray disk player/recorder, set-top box, digital still cameras, digital video recorders, netbooks, etc.

**Reference:****About Elpida**

Elpida Memory, Inc. (Tokyo: 6665) is a leading manufacturer of Dynamic Random Access Memory (DRAM) integrated circuits. The company's design, manufacturing and sales operations are backed by world class technological expertise. Its 300mm manufacturing facilities, consisting of its Hiroshima Plant and a Taiwan-based joint venture, Rexchip Electronics, utilize the most advanced manufacturing technologies available. Elpida's portfolio features such characteristics as high-density, high-speed, low power and small packaging profiles. The company provides DRAM solutions across a wide range of applications, including high-end servers, mobile phones and digital consumer electronics. More information can be found at <http://www.elpida.com>.

*Information in this news release is current as of the timing of the release, but may be revised later without notice.*

**Elpida Press Contact:**

Hiroshi Tsuboi

Elpida Memory, Inc. (Japan)

Tel: +81-3-3281-1648

E-mail: [press@elpida.com](mailto:press@elpida.com)

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