

Elpida Completes Development of 4-Gigabit DDR3 SDRAM, Industry's Highest Density DDR3

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Elpida Memory, Japan's leading global supplier of Dynamic Random Access Memory (DRAM), today announced that it had completed development of a 4-gigabit DDR3 SDRAM, the highest density DDR3 DRAM in the DRAM industry.

Based on an advanced 40nm process, the new eco-friendly DRAM uses about 30% less power compared to two 40nm process 2-gigabit DDR3 SDRAMs (4-gigabit equivalent) and enables servers, data centers and other large capacity [memory](#) systems to reduce [power consumption](#). It can operate at not only standard DDR3 1.5V but also 1.35V to allow greater system power savings.

Elpida plans to ship 4-gigabit DDR3 SDRAM for applications to the industry's highest density 32GB registered DIMM (72 4-gigabit DDR3 SDRAMs installed in 36 Double Density Packages [DDP]) and high-speed/high density new standard LR DIMM (Load Reduced DIMM) for servers, 8GB ECC unbuffered DIMM (18 4-gigabit DDR3 SDRAM installed) for workstations, 8GB SO-DIMM (16 4-gigabit DDR3 SDRAM installed) for notebook PCs and digital consumer electronic products.

The number of [DRAM](#) suppliers offering a 4-gigabit DDR3 SDRAM product line-up is limited. In entering this market, Elpida is expected to help steady the supply of high density memory modules for servers and

notebook PCs.

Elpida plans to begin sample shipments of 4-gigabit DDR3 SDRAM in the second quarter (April-June) of 2010 and commence mass production in the third quarter. The company's fab in Hiroshima is preparing to handle manufacturing.

Source: Elpida

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