

# Elpida Unveils Industry's First 2-Gigabit DDR2 Mobile RAM

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Elpida Memory, Japan's leading global supplier of Dynamic Random Access Memory (DRAM), today announced that it had developed the industry's first 2-gigabit DDR2 Mobile RAM.

The new 2-Gigabit Mobile RAM features the highest density for a JEDEC LPDDR2 (DDR2 Mobile RAM) compatible device.

Elpida has leveraged its low voltage and low-power consumption technology to achieve a device that can operate at 1.2V (conventional DDR Mobile RAM requires 1.8V) while achieving a high-speed data transfer rate of 800Mbps (DDR Mobile RAM is 400Mbps). Also, compared with other same-density and same-speed DDR2 products, as little as 1/16th the [power consumption](#) is needed when on standby, making it an eco-friendly DRAM.

Because of its high density, low power consumption and high-speed functionality the new device is likely to make a powerful contribution to the development of innovative mobile applications for high-end mobile phones and [smart phones](#) and in such areas as the growing market for Netbooks and MID (Mobile Internet Devices).

The new device can meet a variety of customer needs. It can be shipped as a bare chip for use in SiP (System in Package), MCP (Multi-chip Package) and other multi-layer packages or it can be packaged for a PoP (Package on Package) configuration to enable space-saving features.

Sample shipments are expected to begin in October, 2009 with the start-up of mass production scheduled for the first half of 2010.

Source: Elpida Memory

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