



Numonyx Introduces M29 Flash Memory For High Speed Embedded Applications

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Numonyx Introduces M29 Flash Memory For High Speed Embedded Applications **GENEVA, July 13, 2009** – Numonyx B.V. today introduced Numonyx® Axcell™ M29W and M29DW 256Mb, a new high speed, single-level cell (SLC) NOR flash memory that delivers market-leading random access times and higher levels of compatibility for memory-intensive embedded devices.

Optimized for 256Mb applications in the automotive, consumer electronics, communications and computing markets, these latest additions to its Axcell M29 family of products deliver 70 nanoseconds (ns) random access time with the capability to support 60ns, which is significantly faster than the industry average 90ns of competing products. Coupled with pin-for-pin compatibility with existing product architectures, the high performance of the Axcell M29W and M29DW meets a rapidly growing demand in the 256Mb market, one of the fastest growing densities for embedded applications.

"The embedded market presents an incredibly varied number of application segments with broad needs for different solutions," said Glen Hawk, vice president and general manager of the Embedded Business Group at Numonyx. "Customers recognize Numonyx as a company with the technology and resources to provide the solutions to meet all these needs. Now with the Axcell M29W and M29DW devices joining the already shipping 256Mb M29EW, we are able to provide three different 65nm NOR memory products purposely designed to address those unique needs."

The 256Mb Axcell M29W and Axcell M29DW are designed to help embedded customers reduce costs and simplify designs by supporting the popular, industry-standard command set. The Axcell M29W supports uniform block architecture while Axcell M29DW provides a parameter block, multibank architecture, supporting reads in one bank while program or erase functionality in an alternate bank. Both M29W and M29DW will support AEC-Q100 certification, a higher level reliability certification required by automotive manufacturers.

Faster Random Access and High Compatibility

In addition to fast 70ns random access time, these new products also provide a dramatically increased programming speed that enables customers to improve programming throughput, time-to-market and total cost of ownership. At speeds of nearly 3.2MB per second, the new memory can provide a full-chip programming advantage of as much as eight times faster than typical competitive products*. With the addition of the 256Mb density devices, the Axcell M29W and M29DW families now extend their density range into this additional segment.

As embedded systems continue to evolve, they bring a growing need for secure solutions for their memory subsystems. Numonyx Axcell M29W 256 Mb flash memory continues to offer "S" secure compatible versions for increased device security.

Quality and Reliability

Based on industry-standard (JEDEC) footprints and command sets, the Numonyx Axcell M29W and M29DW family of products has the benefit of broad industry support, design flexibility and enables embedded customers to scale the memory subsystem across various densities. Numonyx NOR flash memory has been in production on 65nm technology for more than 18 months, demonstrating dependable and proven manufacturing processes.

Availability

Samples of the 256Mb Numonyx® Axcell™ M29W and M29DW product are available now with volume production in September 2009.

About Numonyx

Numonyx designs and manufactures a full complement of integrated NOR, NAND, RAM and Phase Change non-volatile memory technologies and products to meet the increasingly sophisticated needs of customers in the cellular, data and embedded markets. Numonyx combines the technology and manufacturing expertise of the flash memory divisions of Intel Corporation and STMicroelectronics, and is dedicated to providing high density, low power memory technologies and packaging solutions to a global base of customers. Additional information about Numonyx is available at www.numonyx.com

* Based on data sheet specifications

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