

## Press Release

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### **EDN-Access Says - "NeuroMatrix® NM6403 Remains a Unique 64-bit DSP In the Industry"**

**Moscow, Russia March 31, 2000** — Introduced in 1998 RC "Module"'s NeuroMatrix® NM6403 DSP is still the first commercially available 64-bit DSP at the world market. Based on patented NMC core the processor is able to perform variable bit-length 2-D MAC operations with 1-, 2-, 3- up to 64-bit input data and products ([EDN-access "DSP-architecture directory" 03.30.2000](#)). This flexibility allows designers to trade precision with performance to suit their applications. Each of these data types is critical to the standard DSP algorithms, image processing, voice compression and next generation of wireless protocols.

The company starts to design a new 128-bit core from NeuroMatrix® family. The core will feature new high-end DSPs and ASICs and will be binary compatible with NMC, but perform up to 1024 2-D MACs in one processor cycle.

**About RC "Module"** (<http://www.module.ru>): Research Center "Module" is a leading Moscow-based fabless semiconductor company which designs high-end processor architectures, embedded computers and application software for DSP and artificial neural networks. RC "Module" also provides system and ASIC/SIP design services to a variety of telecommunication and computer-related OEMs manufacturers.



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