



**Texas Memory Systems, Inc.**

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### **Texas Memory Systems Brings RamSan High Performance and High Reliability to eMLC Applications**

*The **RamSan-810** leverages **33 years** of design expertise in record-setting performance and reliability for the **eMLC** Flash storage market. It packs **10 Terabytes** into a **1U** enclosure with **4-GB/s** bandwidth and **320K** random **IOPS**. For read-heavy enterprise applications, the RamSan-810 offers Tier-0 performance and reliability at Tier-1 prices.*

**London, UK, 23<sup>rd</sup> August 2011** – Texas Memory Systems (TMS), recognised worldwide as delivering the World's Fastest Storage®, announces today its first enterprise MLC product, the RamSan-810. It brings Tier-0 performance and reliability to Tier-1 read-heavy workloads. The 10 TB RamSan-810 has powerful 8-Gb Fibre Channel or QDR InfiniBand interfaces and dissipates only 250 W.

Reliability of the RamSan-810 is **enhanced** by the **TMS Series-7™** Flash Controller (FPGA, PowerPC based) that utilises an advanced error correction algorithm and patented Variable Stripe Raid (VSR) algorithm. VSR automatically bypasses failing chips and is only available from TMS. The RamSan-810 is rated for a 10-year life with a 50-TB/day Write workload. With the extra TMS reliability features found in the Series-7 Flash Controller, TMS Flash products simply outlast the competition.

According to **Hideo Kato**, VP/Technology Executive of Toshiba America Electronic Components, "TMS' RamSan-810 makes excellent use of Toshiba's 32nm enterprise MLC NAND Flash with their advanced architecture and technology such as VSR and advanced ECC correction which improves endurance and reliability required for high-end enterprise use."

TMS CEO **Holly Frost** said, "Our entry into the eMLC market with the RamSan-810 is a natural evolution for us and an exciting and significant expansion of our business. Channel partners and users can now go with the undisputed leader in Enterprise Flash solutions for all their needs. The RamSan-810 scales (40x) to **400 Terabytes, 160 GB/s, and 12.8M IOPS** within one **40U** rack using only **10-KW**. Imagine how efficiently your databases will run with this Flash storage configuration."

Data Warehousing, Content Delivery Networks, Data Acquisition, and Log File Storage are all examples of cost-sensitive applications that will benefit from using the RamSan-810. The high performance of the RamSan-810 allows eMLC users to get a cost-effective solution without sacrificing performance, I/O flexibility, or reliability.



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**Jim Handy** of Objective Analysis said, "Although many applications can use SSDs as a fast tier in a larger array of hard drives, certain applications must maintain the entire data set in fast storage. To get both fast storage and large capacity SSDs, eMLC flash is an excellent option."

Like the SLC RamSan-710, the RamSan-810 provides a completely integrated storage system in a small 1U box. Since the RamSan-810 works like traditional SAN storage, it is quickly installed without the need for special drivers. TMS customers can now choose between the widest range of Flash offerings of any SSD provider: **RamSan-710 (SLC, 5-TB)**, **RamSan-810 (eMLC, 10-TB)**, **RamSan-630 (SLC, 10-TB)**, and **RamSan-70 (SLC, 900-GB, PCIe card)**.

For more information about the RamSan-810, please visit <http://RamSan.com/Products/RamSan-810>.

#### **Previous RamSan Press Releases of interest**

(August 8) TMS Delivers 1,000,000 IOPS in RamSan-70, 450-GB PCIe Card

(June 1) TMS Introduces RamSan-710: The Best 1U Storage Ever

(May 31) TMS patent enhances reliability and improves MTBF with RamSan products

(May 16) TMS Unleashes the 900 GB Gorilla, RamSan-70 PCIe card

(May 10) TMS Sets New SPC-1 Performance Record for the Fourth Time [1]

#### **About Texas Memory Systems**

Texas Memory Systems, Inc. (TMS) has delivered RamSan® SSDs to thousands of customers worldwide for over 10 years. Each RamSan solution is engineered to deliver ultimate storage performance and reliability. TMS provides the widest portfolio of SSD products in rackmount and in-server form factors, allowing users to choose the best configuration for their application's needs. The TMS RamSan-630 is The World's Fastest Storage® and holds the current world record for SPC-1 IOPS™, at 5% the cost of the previous record holder.

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