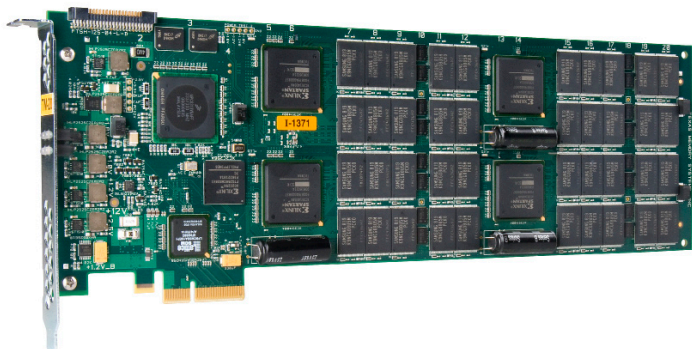


The RamSan PCIe Solid State Disk Family

Fast, reliable, and efficient storage that's a snap!



The RamSan-20 and RamSan-10 are Flash-based solid state disk storage solutions that fit inside your server and deliver unmatched capacity and speed.

Benefits

- Support more users per application/server
- Shorten batch processes
- Reduce power costs
- Reduce data center space and costs
- 24x7 Global technical support

Typical Application Environments:

- Databases: Oracle
SQL Server
- Scientific computing
- Content distribution network (CDN)

Key Specifications:

- Capacity: 450-GB (640-GB raw)
225-GB (320-GB raw)
- Enterprise Protection: SLC (Enterprise) Flash
On board RAID
- Sustained IOPS: 120,000 random read
50,000 random write
70,000 R/W, R-70%
- Burst IOPS: 140,000 random read
158,000 random write
- Bandwidth: 700 MB per second read
675 MB per second write
- Latency: 50 μ s
- Power: 15 watts
- CPU: PowerPC (333 MHz)
- Interface: PCIe x4 Full size

TMS Solid State Disks

Texas Memory Systems' award winning line of RamSan solid state disks are used worldwide by business, government, research, and military organizations to accelerate essential software applications.

The PCIe Advantage

The RamSan PCIe family from Texas Memory Systems' (TMS) encompasses powerful, efficient performance. Its simplicity and affordability will bring high performance storage solutions within reach of main-stream businesses and applications.

The RamSan PCIe portfolio of products are designed to install directly into PCIe (x4) slots. Since Flash does not suffer from the mechanical latencies that impact hard drive performance, the RamSan PCIe line will achieve extremely high performance and utilizes the high-bandwidth of the PCI express connections directly within the server.

Accelerate Applications to Boost Productivity

For enterprises with server-resident applications that require large, fast buffer areas and are random access intensive, the RamSan PCIe cards are an ideal choice for boosting performance: database applications, financial modeling, video editing, data acquisition, and scientific computing will be many times faster. Boosting performance translates into higher profits and greater mission success.

Reliability and Availability

RamSan PCIe cards are made from the fastest and most reliable type of NAND Flash on the market: Single Layer Cell (SLC). In order to give the board even greater protection, the Flash chips are RAIDed and incorporate two independent layers of error correcting code (ECC) at the chip and the board level. RamSan PCIe cards are also equipped with additional on-board power ensuring data preservation even in the event of a server crash or power outage.

Green Storage

RamSan PCIe cards are a powerful and energy efficient storage solution. They will give you the highest performance and most capacity of any PCIe storage card while only consuming 15 watts of power.

Installation

Installing RamSan PCIe cards is a snap, literally. Since it is a PCIe card, it readily installs into any PCIe x4 slot within a server or server-based appliance. No cables required.

About Texas Memory Systems

Texas Memory Systems designs and builds solid state storage systems for accelerating essential enterprise applications. The award-winning RamSan product line, known as The World's Fastest Storage®, delivers fast, reliable, and economical solutions to a broad base of enterprise and government clients worldwide. Founded in 1978, Texas Memory Systems continues to architect and engineer the future of solid state storage.

