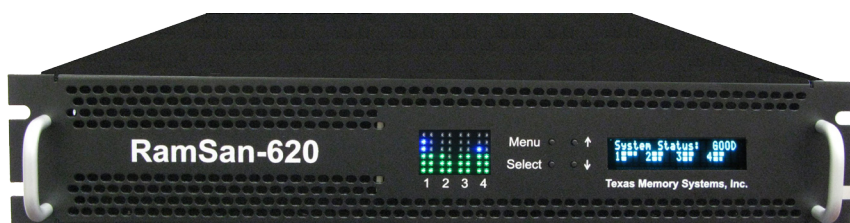


The RamSan-620 Solid State Disk

Fast, efficient, and reliable. Features you deserve from your storage solution.



The RamSan-620 delivers the world's largest, fastest SLC Flash storage to boost essential application performance.

Benefits

- Superior price per performance and capacity
- Low power costs
- Minimal datacenter footprint
- High reliability

Typical Application Environments:

- Databases: Oracle SQL Server
- Data warehousing
- Online Transaction Processing (OLTP)
- Batch processing
- High-performance data acquisition
- High Definition video editing

Key Specifications:

- Capacity: 1-5 TB SLC Flash
- Sustained IOPS: 250,000 read/write
- Bandwidth: 3-GB per second
- Interface: 2-8 4Gb Fibre Channel
1-4 DDR Infiniband
- Latency: 80 μ s
- Size: 2U (3.5" x 18")
- Power: 230 watts

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.

Giant Green Storage

Scalable performance and affordable capacity that is both space and power efficient makes the RamSan-620 an obvious green IT choice. The RamSan-620 occupies only 2U of rack space and requires just 230 Watts of power. In order to achieve similar performance, HDD solutions would require as many as 500 disk drives, occupy 36 disk enclosures requiring nearly five full racks, consume over 7,000 Watts, and cost over half a million dollars by the time the enclosures and controllers were included.

Accelerate Applications to Boost Productivity

The storage performance needs of increasingly demanding applications and growing numbers of concurrent users are not being met by mechanical hard disks. The RamSan-620 is an ideal choice for boosting performance for enterprises with large OLTP, data warehouse, high-performance data acquisition, and high definition video editing applications, among many others. Boosting performance translates into higher profits and greater mission success.

Enterprise Flash Storage

The RamSan-620 is made from the fastest and most reliable type of NAND Flash on the market: Single Layer Cell (SLC). Flash chips are an inherently nonvolatile media, so in the event of datacenter power loss, data is protected. The RamSan-620 also incorporates three independent levels of protection: error correcting code (ECC) (chip level), RAID (board level), and Active Spare (system level) to ensure no corruption or loss of your data. In addition to all of these built in safe guards, Texas Memory Systems has added sophisticated wear leveling mechanisms to keep your system from wearing out for over 12 years under normal write conditions.

Ultimate Flexibility

The RamSan-620 is built in such a way that you have the ultimate flexibility in managing your data. Each board within the system can be accessed individually, the entire system can be utilized to gain the greatest performance, or it can be treated solely as a read-cache. The RamSan-620 is easily configured to meet your data performance or protection requirements.

Installation

The RamSan-620 is easily installed into a variety of different environments. Because it can be connected via Fiber Channel or Infiniband, the RamSan-620 can be directly attached to a server, connected to a SAN in a switched fabric environment, or connected to a network attached file system.

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.

