

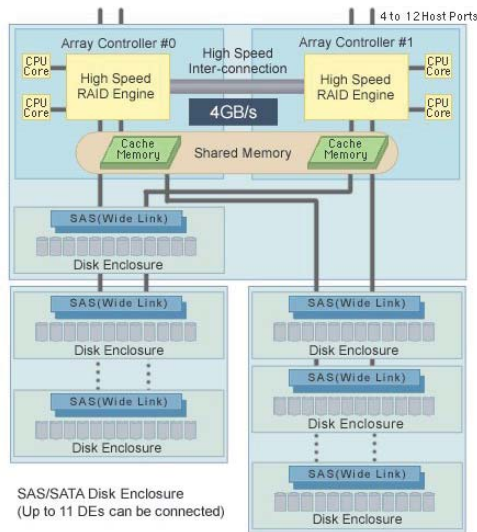
**2U Modular 12-bay FC-SAS/SATA Solution Expandable to 144TB**

The Xanadu is a mid-range tiered storage solution with a full compliment of storage services scalable to 144 drives. This solution is positioned for organizations that need additional capacity, IOPS, and throughput to handle a greater number of hosts and larger storage requirements. Tiered support for mixed SAS/SATA configurations meet the demands of primary and secondary storage requirements.

As your business needs grow, the Xanadu modular platform can scale to meet your demands. The Xanadu has a suite of optional storage services such as: performance monitoring and optimization, LUN masking, logical disk management, snapshot, dynamic data replication and remote data replication. RAID-6 technology is included to ensure continued operation even if errors occur in two hard disks at the same time. This technology greatly enhances the availability of the disk array and can be used together with other storage pools such as RAID-1 and RAID-5. The Xanadu has an upgrade path to the next generation Xanadu-II that has the capability of servicing over 1500 drives.

**RAID Engine**

Performance enhanced RAID engine has a high internal transfer speed. The load of the processor can be offloaded to the RAID engine increasing the performance for the most demanding application.



**Enhanced Disk Recovery**

The Xanadu has the ability to proactively scan disks for bad sectors or other potential problems that could cause a drive to fail. These drives are taken out of service and fixed before failure occurs. Doing so potentially reduces the number of drive rebuilds that need to be done, improves data integrity and minimizes performance degradation caused by the rebuild process. Enhanced disk recovery eliminates up to 50% of all drive rebuilds.

**Dual Redundant Cache Mirror**

The Xanadu uses two instances of redundant cache rather than the typical single instance, doing so minimizes the operational impact in the event of failure because writes are redirected to the second instance. Secondly, this technology maintains performance in the event of failure which could drastically affect application performance.

**Key Features**

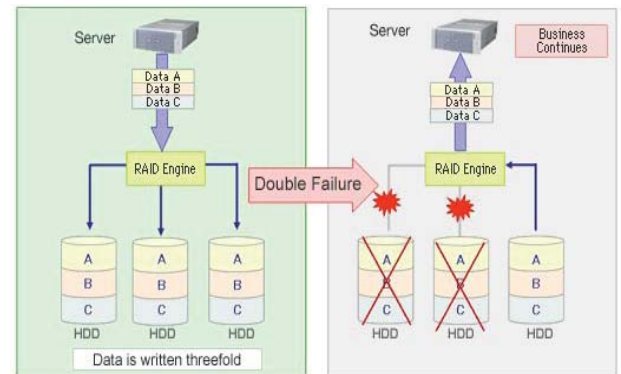


- Up to 144 SAS or SATA HDD modules, the maximum capacity is 144TB
- Standard 4 FC ports expandable to 12 FC ports
- High availability/reliability RAID-TM (Triple Mirror)
- High performance RAID engine and SAS Wide Link
- Energy saving "Green" technology
- Enhanced disk recovery technology
- Dynamic pool / Thin provisioning
- High Connectivity
- Up to 12 FC ports in just one disk array
- 12 FC ports can connect 12 servers, or 6 servers when in dual redundant mode
- The Xanadu can be connected without an FC switch

**High availability, high reliability**

**RAID-TM (Triple Mirror) with more advanced high availability**

RAID-Triple Mirror using the high-speed RAID engine is adopted. This technology utilizes the high speed of RAID-1 and high reliability of RAID-6 at the same time, and can be used together with RAID-1 and RAID-5 storage pools. The organization can continue even when double failure occurs to the HDD's of the same RAID. Triple Mirror RAID increases availability by providing three parity drives, not one. Additionally, the rebuild process minimizes the impact on I/O performance to less than 20%. This technology is useful especially for database and OLTP or any other application which require high performance and availability.



**Saving energy [Green technology]**

**MAID Technology to reduce the power consumption of disk drives**

The Xanadu incorporates MAID technology. This technology allows customers to save power by allowing disks to be powered off. Energy savings can be high as 30%.

**Dynamic Provisioning**

Traditionally, logical disks could only be managed in units of the physical sets of disks that made up the RAID. Users had to install a fixed number of disks even if they were not necessary. The new dynamic pool function permits logical disk capacities to be changed dynamically. Physical disks can be added one at a time. The logical disks required can be managed efficiently, and the system is free from physical restrictions.