# SnapSAN S3000
## Fully Equipped to Power Your Business

The SnapSAN S3000 modular storage array is an ideal platform for providing non-stop storage services for even the most demanding applications. Designed for high availability and performance, the SnapSAN S3000 combines advanced data protection features and proven reliability with flexible connectivity to ensure that it will integrate into any storage environment. Primed for the next generation of SAN challenges, it is able to tackle your virtualization deployments, I/O intensive application needs and beyond. With the new SnapSAN S3000 solution, Overland Storage puts the ease, efficiency and advanced features back into your networked storage.

### FEATURES

**Dual Controllers**
Redundant controllers with Active-Active Failover

**Flexible Connectivity**
Choose from iSCSI, FC or SAS connectivity options

**Thin Provisioning**
Over-provisioning that allows for pay-as-you grow storage model

**Volume Cloning**
Create a volume duplicate for backup or application testing

**Replication**
Synchronous and Asynchronous Replication for maximum data protection

**SnapShots**
Create instant, point-in-time images of the storage volumes

**Drive-spin Down**
Reduces power consumption and extends drive life

## Reliable

The SnapSAN S3000 delivers all the reliability features needed for an Enterprise storage solution. With RAID protection levels 0, 1, 5, 6, 10, 50, and 60 you are sure to find a data protection scheme with the right performance and protection characteristics for your deployment. The Active-Active controllers utilize battery backed cache as well as on-board non-volatile flash memory for added data protection. Advanced drive and RAID error detection technology eliminates data corruption and unnecessary drive failures.

## Efficient

Stocked with energy efficient Processors and Power Supplies, the SnapSAN S3000 provides an eco-friendly storage platform. Add the drive spin down feature and support for energy and space conserving 2.5" disk drives and you have a solution that not only saves on power but also on rack space.

## Scalable

Thin Provisioning can create a pay-as-you-grow model where you are able to provision your storage for future growth and purchase the physical disk capacity when needed without any costly down time. Simply expand RAID sets and storage when you need it with online RAID expansion and online LUN expansion to keep up with growing capacity needs. With current drive capacities the SnapSAN S3000 can scale to a massive 288TB with 96 drives.

## Flexible

With controller options of 1GbE or 10GbE iSCSI, 8Gb FC or 6Gb SAS you have the flexibility to build out your storage infrastructure as you see fit to meet the needs of your application and operating environment. You will be able to mix-and-match drive types in the same chassis as well as different drive chassis form factors giving you the ability to have differnt tiers in the same consolidated storage system. You will also enjoy flexible management options via a web browser, a Command Line Interface (CLI) or utilize the intuitive multi-array management application to manage your Overland SnapSAN arrays.

## Fast

Supporting high performance SAS drives as well as the option for Solid State Drives (SSDs) you will be able to configure your SnapSAN S3000 to support your I/O intensive or HPC applications with ease. Utilizing many spindles with the space efficient and performance oriented 2.5" drives will further maximize your storage performance.

## Protected

As both your business and your data center grow, it's critical to protect your company's most valuable digital assets. With enterprise-grade performance features like advanced RAID levels, Remote Replication, Snapshots, Volume Cloning and the Encrypted drive option, you can be rest assured that your data is safe and ready whenever you need it. That protection goes even further with additional onboard, non-volatile flash – beyond what traditional battery backed cache can offer. Advanced drive failure detection techniques allow you to easily recover from bad data blocks online and prevent false drive inefficiencies.

### Highlights

- **Scalability** – Thin Provisioning, online RAID expansion

- **Enhanced Performance** – SSD drives increase performance

- **Drive Support** – NearLine SAS, SAS and SSD with both 2.5" and 3.5" drives

- **Protection** – Dual Controllers, Volume Cloning, Remote Replication, RAID and Snapshots

- **Security** – Encrypted drive options protect against theft

### Best fit for

- **Virtualization** – VMware vCenter plugin and VMware API support; Certified for VMware, Microsoft Hyper-V and Citrix XenServer; Perfect for Virtual Desktop deployments and high performance Virtualization.

- **Database and Email** – High performance; High availability with redundant components; Protected with Cloning and Remote Replication.

## Specifications

| | 1GbE iSCSI | 10GbE iSCSI | 8Gb FC | 6Gb SAS |
|---|---|---|---|---|
| Controller Host Connectivity | 2 ports/controller | 2 ports/controller | 2 ports/controller | 4 ports/controller |
| Controller Cache | 4GB/controller | | | |
| Form Factor | 2U 12-drive (3.5"); 2U 24-drive (2.5") | | | |
| Max. No. of Hard Drives | 96 drives | | | |
| Scalability | Up to 288TB | | | |
| Network Interface | 1GbE/10GbE iSCSI, 8GB FC, 6Gb SAS | | | |
| Drive Types | SSD, SAS, NearLine SAS, Encrypted SAS | | | |
| RAID Levels | 0, 1, 5, 6, 10, 50, 60 | | | |
| High Availability | Single and dual controllers, hot-swappable power and drives | | | |
| Standard Features | Flexible Connectivity, Thin Provisioning, Volume Cloning, Replication, Snapshots, Drive Spin-Down | | | |
| HDD - 3.5" SAS | 300GB, 600GB (15000RPM) | | | |
| HDD - 3.5" NL-SAS | 1TB, 2TB, 3TB (7200RPM) | | | |
| HDD - 3.5" SAS Self-encrypting | 600GB (15000RPM) | | | |
| HDD - 3.5" SSD | 200GB, 400GB (Enterprise MLC) | | | |
| HDD - 2.5" SAS | 300GB, 600GB, 900GB (10000RPM) | | | |
| HDD - 2.5" NL-SAS | 1TB (7200RPM) | | | |
| HDD - 2.5" SAS Self-encypting | 600GB (10000RPM) | | | |
| HDD - 2.5" SSD | 200GB, 400GB (Enterprise MLC) | | | |
| Physical/Mounting | Width: 18.9 in (482 mm), Height: 3.5 in (87.8 mm) 2U, Depth: 20.2 in (513.2 mm), Weight: 72.8 lbs (3.5" HDDs full) | | | |
| Environmental Limits | Operating: 5 to 40°C, 10-80%; Stop: -10 to +60°C, 5-80% | | | |
| Included with Unit | Rack Mount Kit, Quick Start Guide, Software CD (User Guide, Setup Guide, Installation Guide) | | | |
| Warranty | OverlandCare Level 1: 3-year: 24x7 Telephone Support, Advanced parts replacement, 2 business day delivery. For full details of all our service programs, please contact your preferred authorized reseller or contact Overland Storage directly at +1 (858) 571-5555. | | | |

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