

The SnapSAN FC1000 Controller for the Overland Storage® SnapSAN S1000 provides two 4Gb SFP host ports of connectivity per controller for companies looking for Fibre Channel SAN storage. High Availability is achieved when configured with two controllers in a single S1000 storage array, creating a fully redundant, active-active solution.



The SnapSAN S1000 storage array can be flexibly configured and provides best-in-class performance and ease of use in a 2U rack mount chassis. It's optimized to support virtualized server environments and applications that require low-latency. Integrated support for Microsoft's MPIO and VSS services ensure compatibility with Microsoft deployments. Features include copy-on-write snapshots, writable snapshots, and advanced RAID level support for maximum data protection and can scale to 120TB.

## Specifications

<b>Connectivity per Controller (Two controllers per system)</b>	Two SFP 4Gb ports (SFP transceivers sold separately) (Four per array)
<b>Host Connection Support</b>	SCSI-3 Compliant; 32 nodes per target; 128 sessions per controller; 16 hosts per volume
<b>Multi-path</b>	Microsoft MPIO
<b>OS Support</b>	Microsoft: Windows XP, Windows Vista, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Hyper-V VMware: ESX 4.0, ESX 4.0 U1, ESX 4.0 U2, ESX 4.1 Citrix: XenServer 5.6 Linux: Red Hat Enterprise Linux 5 Apple: Mac OS X 10.5 and 10.6 (using ATTO initiator for iSCSI) UNIX: Solaris 10 (Sparc and X86)
<b>Certifications</b>	Microsoft: Windows Server 2003, Windows Server 2008, Windows Server 2008 R2 VMware: VMware Ready Citrix: Citrix Ready
<b>Management</b>	Serial console; SSH; Telnet; HTTP Web UI; Secured Web (HTTPS); iSNS; S.E.S. Seamless management port take-over Online firmware upgrade, no down time when dual controllers are installed One RJ-45 10/100M Ethernet per controller; two UART connections for serial console and UPS communication
<b>Snapshots</b>	512 per array; writable snapshots; Microsoft Windows Volume Shadow Copy Service (VSS) provider included
<b>Green Features</b>	Auto disk spin-down
<b>RAID Controller Modules</b>	Each SnapSAN S1000 can be configured with Active-Active Dual controllers with mirrored cache
<b>Memory/RAID Cache</b>	2GB standard battery-backed cache (hot-swappable BBM)
<b>RAID Levels</b>	RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60, N-way mirror, and JBOD (no RAID)
<b>Advanced RAID Support</b>	Up to 1,024 logical volumes Global and dedicated hot spare Write-through or write-back cache policy Online disk roaming Online volume expansion Online RAID migration Volume cloning
<b>Expansion</b>	Expand each SnapSAN S1000 up to 60 drives with four SnapDisk E1000 expansion units (120TB maximum)
<b>Expansion Connectivity</b>	One 6Gb/s Mini-SAS (SFF 8088) X4 wide port per controller

### SnapSAN S1000 Highlights

- Your choice of iSCSI, Fibre Channel, and SAS connectivity
- Dual controller option with load balancing and failover for high availability
- Fully redundant and hotswappable components
- Scales to 120TB with the addition of up to four SnapDisk E1000 expansion enclosures
- Green storage design includes auto disk spin-down, advanced cooling and energy-efficient power supplies
- Advanced data protection features including RAID, snapshots, and Windows VSS support
- Advanced RAID features including Online Capacity Expansion, RAID Migration and Volume Expansion



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