

The SnapSAN i1000-10Gb Controller for the Overland Storage® SnapSAN S1000 provides two 10GbE SFP+ optical host ports of connectivity per controller for companies looking for Ethernet-based iSCSI 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

Connectivity per Controller (Two controllers per system)	Two 10GbE SFP+ ports (SFP+ transceivers sold separately) (Four per array) SFP+ Transceiver from Overland Storage supports 10GBASE-SR/SW 10G Ethernet cables. 10Gb/s SFP+ transceivers are designed for use in 10-Gigabit Ethernet links over multimode fiber compliant with SFF-84311, SFF-84322, IEEE 802.3ae 10GBASE-SR/SW3 and 10G Fibre Channel 1200-Mx-SN-I4. Maximum link length of 300m on 2000 MHZ-km MMF.
Host Connection Support	SCSI-3 Compliant; 32 nodes per target; 128 sessions per controller; 16 hosts per volume
iSCSI Features	iSCSI off-load engine; Compliant with iSCSI standard, RFC 3730; Supports iSCSI Persistent Reservations; Jumbo frames; CHAP
Multi-path	Microsoft MPIO, MC/S
Load Balancing	Switch Trunking, 802.3ad, LACP
OS Support	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)
Certifications	Microsoft: Windows Server 2003, Windows Server 2008, Windows Server 2008 R2 VMware: VMware Ready Citrix: Citrix Ready
Management	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
Snapshots	512 per array; writable snapshots; Microsoft Windows Volume Shadow Copy Service (VSS) provider included
Green Features	Auto disk spin-down
RAID Controller Modules	Each SnapSAN S1000 can be configured with Active-Active Dual controllers with mirrored cache
Memory/RAID Cache	2GB standard battery-backed cache (hot-swappable BBM)
RAID Levels	RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60, N-way mirror, and JBOD (no RAID)
Advanced RAID Support	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
Expansion	Expand each SnapSAN S1000 up to 60 drives with four SnapDisk E1000 expansion units (120TB maximum)
Expansion Connectivity	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

OS Support



Certifications



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