



StoneFly OptiSAN-HD

OptiSAN-HD: Storage Virtualization, High Storage Capacity. Less Rack Space.

The OptiSAN-HD (high-density) is the densest StoneFly SAN to date, with up to 48TB in 50% less rackspace than standard OptiSANs. The OptiSAN is built for enterprises needing a versatile IP SAN for high availability storage applications. The OptiSAN supports SAS and SATA drives for online transaction processing, database, email, disk based archives, disk to disk backup, and other core applications.

High Performance Features

- ▶▶ Patented Storage Virtualization Technology
- ▶▶ Ultra Dense with 48TB in 6U
- ▶▶ Active/Active Controllers
- ▶▶ RAID Protection
- ▶▶ Quad Core Processors
- ▶▶ 10 Gb Ethernet Support

Supported Platforms

Virtual Servers

- ▶▶ VMware
- ▶▶ Citrix XenServer
- ▶▶ Virtual Iron
- ▶▶ Microsoft

Operating Systems

- ▶▶ Windows 2000/ 2003/ 2008
- ▶▶ Solaris
- ▶▶ Red Hat Linux
- ▶▶ Novell
- ▶▶ Macintosh

Application Integration

- ▶▶ Exchange Server
- ▶▶ SQL Server
- ▶▶ Oracle Databases
- ▶▶ Backup Software

High Density, High Capacity Enterprise-Class IP SAN

- Active/Active IP Storage
- Up to 48TB in Standard in 6U
- iSCSI Storage Provisioning utilizes existing Ethernet network infrastructure
- Support for SAS and SATA drives
- Scalable up to 240 drives
- Horizontal or vertical scalability
- Host or volume load balancing
- Gigabit and 10Gb iSCSI port teaming, failover, and load balancing
- RAID 0, 1, 5, 6, 10, 50 with battery backup

Easy to Use

- Intuitive Web-based User Interface
- No down-time storage expansion

Advanced Features

- Advanced Copy-on-write Snapshot technology with:
 - Read/Write snapshots

- Scheduling and Rollback
- Stonefly VSS agents for Exchange, SQL, and backup software

- Asynchronous Replication/ Mirroring with delta transfer and schedules
- Synchronous mirroring
- Campus mirroring
- Dynamic volume expansion
- Comprehensive IP SAN reporting and statistics
- Zero downtime upgrades



Intelligent IP SANs Made Simple with StoneFusion

The award-winning StoneFusion® Intelligent Network Storage Platform (NSP), StoneFly's patented core storage networking architecture, reduces the total cost of ownership by lowering management costs and increasing storage utilization.

At its core, StoneFusion enables StoneFly IP SANs to deliver increased storage utilization through resource consolidation, storage provisioning, centralized access control, volume management, and advanced storage services including clustering, mirroring, and snapshotting. With StoneFusion's

robust virtualization engine, the power of IP SANs is at your fingertips.



StoneFly OptiSAN-HD

OptiSAN-High Density

Standard OptiSAN-HD



HD-Expansion Subsystem



Form Factor	6U Rackmount	4U Rackmount
iSCSI Connections	Standard: 6 GbE Optional: 2 or 4 x 10GbE	N/A
Hot-Swap Power Supplies	6	2
Hot-Swap Drives	48 SATA-II	48 SATA-II per expansion unit (up to 240 drives)
Raw Capacity (SATA)	36TB or 48TB	
RAID Levels	0, 1, 5, 6, 10, 50	
Active/Active Storage	Yes	
System Upgrades	Online	
Dimensions (HxWxD)	(2) Gateways: 7.75" x 23" x 32.5" (197 x 586 x 828mm) (1) Storage: 6.89" x 19.0" x 31.9" (175 x 482 x 810mm)	6.89" x 19.0" x 31.9" (175 x 482 x 810mm)
Gross Weight	Populated 271lbs (122.9Kg)	Populated: 165lbs (74.8Kg)
Power Requirements	6 power cords 100VAC @ 25A, 240VAC @ 12.5A, 50-60Hz	Dual power cords 100VAC @ 9A, 240VAC @ 4.5A, 47-63Hz
Operating Temperature	10° to 35°C (50°F to 95°F)	
Relative Humidity	10 to 80%, non-condensing	

ABOUT STONEFLY

StoneFly, Inc., headquartered in San Diego, was founded in April 2000 to deliver upon the vision of simple and affordable storage consolidation and disaster recovery protection through its pioneering IP SAN solutions. In 2006, Dynamic Network Factory (dba DNF Storage) acquired StoneFly (re-incorporated as StoneFly, Inc). StoneFly is a wholly-owned subsidiary of DNF Storage, a leading maker of high-performance network attached storage, storage area networks, RAID and iSCSI systems. StoneFly continues to develop appliances to transform IP Networks in to IP SANs and expand into OEM and embedded markets with the intuitive StoneFusion Operating System.

StoneFly, Inc.
www.StoneFly.com
www.iSCSI.com

Toll Free: 888.786.6335
 Phone: 510.265.1616
 Fax: 510.265.1565

Headquarters
 21353 Cabot Blvd
 Hayward, CA 94545

San Diego Office
 6191 Cornerstone Court, #105
 San Diego, CA 92121