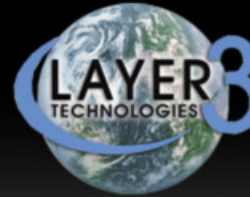


iSAN[®] D Series

iSCSI SAN Storage



Cybernetics' iSAN D Series

Affordable, Self-Protecting iSCSI SAN Storage

The Cybernetics iSAN[®] D Series model is the industry's price-performance winner, delivering an impressive throughput of up to 1.2 GB per second, depending on port configuration, and can sustain 400,000 IOPS. Fully integrated with Cybernetics' exclusive SANDR Technology, the iSAN[®] D Series provides everything you need in a storage and backup solution, including highly available live storage, layers of data protection with snapshot backup, portable disk backup, tape backup, and encrypted, deduplicated WAN replication. Since data protection is accomplished at the disk level, there's no need for a dedicated backup server and no need for third party backup software. Cybernetics offers three tiers of redundancy to meet any storage demands, and budget. Single, and dual controller models provide redundancy within a single unit, or two units can be configured as master and live replica with automatic failover – and no single point of failure. iSAN[®] D Series is a full-featured virtual storage powerhouse.



24 bay models



16 bay models



12 bay models



8 bay models





iSAN[®] D Series

iSCSI SAN Storage



24 bay models

	D24/T96	D24/T72	D24/T55.2	D24/T48	D24/T43.2	D24/T31.2	D24/T24	D24/T14.4	D24/T10.8
Raw Capacity	96 TB	72 TB	55.2 TB	48 TB	43.2 TB	31.2 TB	24 TB	14.4 TB	10.8 TB
Usable Capacity	88 TB	66 TB	46 TB	44 TB	36 TB	26 TB	22 TB	14 TB	10 TB
Transfer Rate	1.2 GB/s								
Cache Memory	12 GB								
System Type	4U Rackmount - 26.4" x 16.9" x 7" (please allow 3" for cable clearance)								
Network Interface	Eight (8) GbE Ports, One (1) GbE Management Port, Four (4) SAS Ports								
Disk Interface	SATA	SATA	SATA/SAS	SATA	SATA/SAS	SATA/SAS	SATA	SAS	SAS
Hot Swap & Redundant	Power Supplies, Disk Drives								
Power Consumption	500/625 watts max.								
Drive Failure Notification	Email, text notification, audible and LED indicators								
Power Supply	960w, 1+1								
Weight	99.1 lbs.								

Live Network Storage

iSCSI SAN – The most efficient kind of storage: block level SAN network storage.

Fast transfer rates – Up to 1.2 GB/s.

Exceptional performance – up to 400,000 IOPS.

Scalable – Supports up to 8 modules in a single SAN for 768 TB capacity.

Dynamic LUN Provisioning – Add capacity to any server or application on the fly.

Dynamic Snapshot Provisioning – Expand snapshot space on demand.

Connectivity – Ten 1 GbE ports (Optional 10 GbE)

Layered Data Protection

Snapshots Backup – Mountable points for recovery or rollback.

Disk Backup – Create mountable disk volumes on portable disks.

Tape Backup – Fast image backup to tape without backup software.

WAN Replication – Automated, deduplicated and encrypted remote disaster recovery backup.

High Availability – Hardware level mirroring and automatic failover with no single point of failure.

Operating System Compatibility

- AIX 5.3 and higher
- HPUX 11.11 and higher
- Linux
- Netware 6.5 SP6+
- MAC Leopard (with initiator)
- Solaris 10.X and higher
- Windows 7, 2000, 2003, 2008, XP, and higher

Special Applications Compatibility

- VMware ESX Server 3.5, 4.X, 5.X
- vSphere 4
- Xen
- HyperV
- SQL Database
- Oracle Database
- Microsoft Exchange

iSCSI Initiator Compatibility

- Microsoft iSCSI Software Initiator
- Linux Open-iSCSI Initiator
- Novell iSCSI Initiator for Netware

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24 bay models

16 bay models

12 bay models

8 bay models



iSAN[®] D Series

iSCSI SAN Storage



16 bay models

	D16/T64	D16/T48	D16/T36.8	D16/T32	D16/T28.8	D16/T20.8	D16/T16	D16/T9.6	D16/T7.2
Raw Capacity	64 TB	48 TB	36.8 TB	32 TB	28.8 TB	20.8 TB	16 TB	9.6 TB	7.2 TB
Usable Capacity	56 TB	42 TB	27.6 TB	28 TB	21.6 TB	17.6 TB	14 TB	8.4 TB	6.3 TB
Transfer Rate	1.2 GB/s								
Cache Memory	12 GB								
System Type	3U Rackmount - 26.4" x 16.9" x 5" (please allow 3" for cable clearance)								
Network Interface	Eight (8) GbE Ports, One (1) GbE Management Port, Four (4) SAS Ports								
Disk Interface	SATA	SATA	SATA/SAS	SATA	SATA/SAS	SATA/SAS	SATA	SAS	SAS
Hot Swap & Redundant	Power Supplies, Disk Drives								
Power Consumption	500/625 watts max.								
Drive Failure Notification	Email, text notification, audible and LED indicators								
Power Supply	960w, 2+1								
Weight	85 lbs.								

Live Network Storage

iSCSI SAN – The most efficient kind of storage: block level SAN network storage.

Fast transfer rates – Up to 1.2 GB/s.

Exceptional performance – up to 400,000 IOPS.

Scalable – Supports up to 8 modules in a single SAN for 736 TB capacity.

Dynamic LUN Provisioning – Add capacity to any server or application on the fly.

Dynamic Snapshot Provisioning – Expand snapshot space on demand.

Connectivity – Ten 1 GbE ports (Optional 10 GbE)

Layered Data Protection

Snapshots Backup – Mountable points for recovery or rollback.

Disk Backup – Create mountable disk volumes on portable disks.

Tape Backup – Fast image backup to tape without backup software.

WAN Replication – Automated, deduplicated and encrypted remote disaster recovery backup.

High Availability – Hardware level mirroring and automatic failover with no single point of failure.

Operating System Compatibility

- AIX 5.3 and higher
- HPUX 11.11 and higher
- Linux
- Netware 6.5 SP6+
- MAC Leopard (with initiator)
- Solaris 10.X and higher
- Windows 7, 2000, 2003, 2008, XP, and higher

Special Applications Compatibility

- VMware ESX Server 3.5, 4.X, 5.X
- vSphere 4
- Xen
- HyperV
- SQL Database
- Oracle Database
- Microsoft Exchange

iSCSI Initiator Compatibility

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Dual controller models



24 bay models

16 bay models

12 bay models

8 bay models

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iSAN D Series

iSCSI SAN Storage



16 bay Dual Controller models

	D16/T64	D16/T48	D16/T32	D16/T28.8	D16/T20.8
Raw Capacity	64 TB	48 TB	32 TB	28.8 TB	20.8 TB
Usable Capacity	56 TB	42 TB	28 TB	21.6 TB	15.6 TB
Transfer Rate	1.2 GB/s				
Cache Memory	12 GB				
System Type	3U Rackmount - 26.4" x 16.9" x 5" (please allow 3" for cable clearance)				
Network Interface	Four (4) GbE Ports, One (1) GbE Management Port, Four (4) SAS Ports, per controller				
Disk Interface	SATA	SATA	SATA	SATA/SAS	SATA/SAS
Hot Swap & Redundant	Power Supplies, Disk Drives				
Power Consumption	500/625 watts max.				
Drive Failure Notification	Email, text notification, audible and LED indicators				
Power Supply	Dual 1000w				
Weight	90 lbs.				

Live Network Storage

iSCSI SAN – The most efficient kind of storage: block level SAN network storage.

Fast transfer rates – Up to 1.2 GB/s.

Exceptional performance – up to 400,000 IOPS.

Scalable – Supports up to 8 modules in a single SAN for 736 TB capacity.

Dynamic LUN Provisioning – Add capacity to any server or application on the fly.

Dynamic Snapshot Provisioning – Expand snapshot space on demand.

Connectivity – Ten 1 GbE ports (Optional 10 GbE)

Layered Data Protection

Snapshots Backup – Mountable points for recovery or rollback.

Disk Backup – Create mountable disk volumes on portable disks.

Tape Backup – Fast image backup to tape without backup software.

WAN Replication – Automated, deduplicated and encrypted remote disaster recovery backup.

High Availability – Hardware level mirroring and automatic failover with no single point of failure.

Operating System Compatibility

- AIX 5.3 and higher
- HPUX 11.11 and higher
- Linux
- Netware 6.5 SP6+
- MAC Leopard (with initiator)
- Solaris 10.X and higher
- Windows 7, 2000, 2003, 2008, XP, and higher

Special Applications Compatibility

- VMware ESX Server 3.5, 4.X, 5.X
- vSphere 4
- Xen
- HyperV
- SQL Database
- Oracle Database
- Microsoft Exchange

iSCSI Initiator Compatibility

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Single controller models

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24 bay models

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8 bay models



iSAN[®] D Series

iSCSI SAN Storage



12 bay models

	D12/T48	D12/T36	D12/T27.6	D12/T24	D12/T21.6	D12/T15.6	D12/T12	D12/T7.2	D12/T5.4
Raw Capacity	48 TB	36 TB	27.6 TB	24 TB	21.6 TB	15.6 TB	12 TB	7.2 TB	5.4 TB
Usable Capacity	40 TB	30 TB	18.4 TB	20 TB	14.4 TB	12.4 TB	10 TB	6.4 TB	4.5 TB
Transfer Rate	1.2 GB/s								
Cache Memory	12 GB								
System Type	2U Rackmount - 26.4" x 16.9" x 5" (please allow 3" for cable clearance)								
Network Interface	Eight (8) GbE Ports, One (1) GbE Management Port, Four (4) SAS Ports								
Disk Interface	SATA	SATA	SATA/SAS	SATA	SATA/SAS	SATA/SAS	SATA	SAS	SAS
Hot Swap & Redundant	Power Supplies, Disk Drives								
Power Consumption	500/625 watts max.								
Drive Failure Notification	Email, text notification, audible and LED indicators								
Power Supply	650w, 2+1								
Weight	77.5 lbs.								

Live Network Storage

iSCSI SAN – The most efficient kind of storage: block level SAN network storage.

Fast transfer rates – Up to 1.2 GB/s.

Exceptional performance – up to 400,000 IOPS.

Scalable – Supports up to 8 modules in a single SAN for 720 TB capacity.

Dynamic LUN Provisioning – Add capacity to any server or application on the fly.

Dynamic Snapshot Provisioning – Expand snapshot space on demand.

Connectivity – Ten 1 GbE ports (Optional 10 GbE)

Layered Data Protection

Snapshots Backup – Mountable points for recovery or rollback.

Disk Backup – Create mountable disk volumes on portable disks.

Tape Backup – Fast image backup to tape without backup software.

WAN Replication – Automated, deduplicated and encrypted remote disaster recovery backup.

High Availability – Hardware level mirroring and automatic failover with no single point of failure.

Operating System Compatibility

- AIX 5.3 and higher
- HPUX 11.11 and higher
- Linux
- Netware 6.5 SP6+
- MAC Leopard (with initiator)
- Solaris 10.X and higher
- Windows 7, 2000, 2003, 2008, XP, and higher

Special Applications Compatibility

- VMware ESX Server 3.5, 4.X, 5.X
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iSAN[®] D Series

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8 bay models

	D8/T32	D8/T24	D8/T16	D8/T8
Raw Capacity	32 TB	24 TB	16 TB	8 TB
Usable Capacity	24 TB	18 TB	12 TB	6 TB
Transfer Rate	1.2 GB/s			
Cache Memory	12 GB			
System Type	2U Rackmount - 26.4" x 16.9" x 3.5" (please allow 3" for cable clearance)			
Network Interface	Eight (8) GbE Ports, One (1) GbE Management Port, Four (4) SAS Ports			
Disk Interface	SATA			
Hot Swap & Redundant	Power Supplies, Disk Drives			
Power Consumption	500/625 watts max.			
Drive Failure Notification	Email, text notification, audible and LED indicators			
Power Supply	760w, 1+1			
Weight	53.9 lbs.			

Live Network Storage

iSCSI SAN – The most efficient kind of storage: block level SAN network storage.

Fast transfer rates – Up to 1.2 GB/s.

Exceptional performance – up to 400,000 IOPS.

Scalable – Supports up to 8 modules in a single SAN for 704 TB capacity.

Dynamic LUN Provisioning – Add capacity to any server or application on the fly.

Dynamic Snapshot Provisioning – Expand snapshot space on demand.

Connectivity – Ten 1 GbE ports (Optional 10 GbE)

Layered Data Protection

Snapshots Backup – Mountable points for recovery or rollback.

Disk Backup – Create mountable disk volumes on portable disks.

Tape Backup – Fast image backup to tape without backup software.

WAN Replication – Automated, deduplicated and encrypted remote disaster recovery backup.

High Availability – Hardware level mirroring and automatic failover with no single point of failure.

Operating System Compatibility

- AIX 5.3 and higher
- HPUX 11.11 and higher
- Linux
- Netware 6.5 SP6+
- MAC Leopard (with initiator)
- Solaris 10.X and higher
- Windows 7, 2000, 2003, 2008, XP, and higher

Special Applications Compatibility

- VMware ESX Server 3.5, 4.X, 5.X
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