

# iSAN v Series

## Disk Based Virtual Tape Library



### Cybernetics' iSAN V Series Virtual Tape Library Faster Backup with Disk and Tape

The iSAN® V Series Virtual Tape Library is a powerful, enterprise class backup appliance that can deliver up to 96 TB of capacity (up to 192 TB with data compression) in just 4U of rack space. Utilizing your existing software, it consolidates backup across any mix of operating systems, including legacy host systems. Writing in parallel data streams up to 16 virtual tape drives simultaneously – with performance of up to 1.2 GB/s – the iSAN® V Series is the ideal choice for the most demanding backup applications. With Cybernetics' powerful, hashless data deduplication engine, months of backup data can be stored on disk for immediate restore, and with typical reduction ratios of 50:1 depending on data type, transfer of deduplicated – and encrypted – data to a remove VTL is streamlined for disaster recovery and business continuity. When you're ready to move data off disk for long term archival storage, the Tape Offload feature will write to removeable tape in serverless mode – with absolutely no impact on your host or network operations.



24 bay models



16 bay models



12 bay models



8 bay models

Call Today! 585-254-1966 ext. 7323



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## Disk Based Virtual Tape Library



### 24 bay models

	V24/T96	V24/T72	V24/T48	V24/T24
Raw Capacity	96 TB	72TB	48 TB	24 TB
Usable Capacity	88 TB	66 TB	44 TB	22 TB
Transfer Rate	1.2 GB/s			
Deduplication/Replication	Yes			
RAID Levels	0, 1, 10, 5, 6, 60, 50 + hot spare			
Virtualization Features	16 virtual tape drives/libraries (expandable), unlimited virtual tapes, offline archival support for tape libraries with 4 drives and 48 slots (expandable)			
Cache Memory	96 GB			
System Type	4U Rackmount - 26.4" x 16.9" x 7" (please allow 3" for cable clearance)			
Connectivity	Standard: 8 GbE and 4 Mini-SAS device/host ports (+ iSCSI management port) Optional: two or four of the following device/host ports: 10-gigabit Ethernet (SFP+ or CX4), Fibre Channel (4GB or 8GB), SCSI			
Additional Connectivity	eSATA and USB Ports for External Disk Offload			
Disk Interface	SATA			
Hot Swap & Redundant	Power Supplies, Disk Drives			
Power Consumption	500/625 watts max.			
Drive Failure Notification	Email, Pager and Fax Notification through external modem, audible and LED indicators			
Power Supply	960w, 1+1			
Weight	108 lbs.			

**Consolidates all your backups cost effectively**  
Single control point for all backups across any mix of operating systems including IBM i, p and x Series, Windows, Linux, Unix, Netware, and OS X.

**Cut your backup time by 90% or more**  
With disk-to-disk tape virtualization you can write backups to multiple virtual tape drives concurrently, at speeds of up to 1.2 GB/s.

**Optional deduplication reduces backup space typically by 50:1**  
Store more backups in less space, a 1 TB backup could use as little as 20 GB of space. Supports bandwidth-friendly site-to-site replication.

**6 simultaneous systems or partitions**  
(expandable) Each writing in parallel to its own virtual tape drive/library.

**Utilizes your existing tape backup software**  
so there are no new procedures to learn or new software to purchase.

**Writes to removable tape on schedule or on demand**, from the primary or recovery VTL in a serverless operation that won't slow your network.

**Interface to network UPS**  
eliminates data corruption due to power failure.

**Secure data at rest with optional tape encryption**  
Protects tape media from unauthorized access, no change to equipment is needed.

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## Disk Based Virtual Tape Library



### 16 bay models

	V16/T64	V16/T48	V16/T32	V16/T16
Raw Capacity	64 TB	48 TB	32 TB	16 TB
Usable Capacity	56 TB	42 TB	28 TB	14 TB
Transfer Rate	1.2 GB/s			
Deduplication/Replication	Yes			
RAID Levels	0, 1, 10, 5, 6, 60, 50 + hot spare			
Virtualization Features	16 virtual tape drives/libraries (expandable), unlimited virtual tapes, offline archival support for tape libraries with 4 drives and 48 slots (expandable)			
Cache Memory	96 GB			
System Type	3U Rackmount - 26.4" x 16.9" x 5" (please allow 3" for cable clearance)			
Connectivity	Standard: 8 GbE and 4 Mini-SAS device/host ports (+ iSCSI management port) Optional: two or four of the following device/host ports: 10-gigabit Ethernet (SFP+ or CX4), Fibre Channel (4GB or 8GB), SCSI			
Additional Connectivity	eSATA and USB Ports for External Disk Offload			
Disk Interface	SATA			
Hot Swap & Redundant	Power Supplies, Disk Drives			
Power Consumption	500/625 watts max.			
Drive Failure Notification	Email, Pager and Fax Notification through external modem, audible and LED indicators			
Power Supply	960w, 2+1			
Weight	85 lbs.			

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**Cut your backup time by 90% or more**  
With disk-to-disk tape virtualization you can write backups to multiple virtual tape drives concurrently, at speeds of up to 1.2 GB/s.

**Optional deduplication reduces backup space typically by 50:1**  
Store more backups in less space, a 1 TB backup could use as little as 20 GB of space. Supports bandwidth-friendly site-to-site replication.

**6 simultaneous systems or partitions** (expandable) Each writing in parallel to its own virtual tape drive/library.

**Utilizes your existing tape backup software** so there are no new procedures to learn or new software to purchase.

**Writes to removable tape on schedule or on demand**, from the primary or recovery VTL in a serverless operation that won't slow your network.

**Interface to network UPS** eliminates data corruption due to power failure.

**Secure data at rest with optional tape encryption**  
Protects tape media from unauthorized access, no change to equipment is needed.

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# iSAN v Series

## Disk Based Virtual Tape Library



## 12 bay models

	V12/T48	V12/T36	V12/T24	V12/T12
Raw Capacity	48 TB	36 TB	24 TB	12 TB
Usable Capacity	40 TB	30 TB	20 TB	10 TB
Transfer Rate	1.2 GB/s			
Deduplication/Replication	Yes			
RAID Levels	0, 1, 10, 5, 6, 60, 50 + hot spare			
Virtualization Features	16 virtual tape drives/libraries (expandable), unlimited virtual tapes, offline archival support for tape libraries with 4 drives and 48 slots (expandable)			
Cache Memory	96 GB			
System Type	2U Rackmount - 26.4" x 16.9" x 5" (please allow 3" for cable clearance)			
Connectivity	Standard: 8 GbE and 4 Mini-SAS device/host ports (+ iSCSI management port) Optional: two or four of the following device/host ports: 10-gigabit Ethernet (SFP+ or CX4), Fibre Channel (4GB or 8GB), SCSI			
Additional Connectivity	eSATA and USB Ports for External Disk Offload			
Disk Interface	SATA			
Hot Swap & Redundant	Power Supplies, Disk Drives			
Power Consumption	500/625 watts max.			
Drive Failure Notification	Email, Pager and Fax Notification through external modem, audible and LED indicators			
Power Supply	650w, 2+1			
Weight	77.5 lbs.			

**Consolidates all your backups cost effectively**  
Single control point for all backups across any mix of operating systems including IBM i, p and x Series, Windows, Linux, Unix, Netware, and OS X.

**Cut your backup time by 90% or more**  
With disk-to-disk tape virtualization you can write backups to multiple virtual tape drives concurrently, at speeds of up to 1.2 GB/s.

**Optional deduplication reduces backup space typically by 50:1**  
Store more backups in less space, a 1 TB backup could use as little as 20 GB of space. Supports bandwidth-friendly site-to-site replication.

**6 simultaneous systems or partitions** (expandable) Each writing in parallel to its own virtual tape drive/library.

**Utilizes your existing tape backup software** so there are no new procedures to learn or new software to purchase.

**Writes to removable tape on schedule or on demand**, from the primary or recovery VTL in a serverless operation that won't slow your network.

**Interface to network UPS** eliminates data corruption due to power failure.

**Secure data at rest with optional tape encryption**  
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# iSAN v Series

## Disk Based Virtual Tape Library



### 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			
Deduplication/Replication	Yes			
RAID Levels	0, 1, 10, 5, 6, 60, 50 + hot spare			
Virtualization Features	16 virtual tape drives/libraries (expandable), unlimited virtual tapes, offline archival support for tape libraries with 2 drives and 24 slots (expandable)			
Cache Memory	96 GB			
System Type	2U Rackmount - 26.4" x 16.9" x 3.5" (please allow 3" for cable clearance)			
Connectivity	Standard: 8 GbE and 4 Mini-SAS device/host ports (+ iSCSI management port) Optional: two or four of the following device/host ports: 10-gigabit Ethernet (SFP+ or CX4), Fibre Channel (4GB or 8GB), SCSI			
Additional Connectivity	eSATA and USB Ports for External Disk Offload			
Disk Interface	SATA			
Hot Swap & Redundant	Power Supplies, Disk Drives			
Power Consumption	500/625 watts max.			
Drive Failure Notification	Email, Pager and Fax Notification through external modem, audible and LED indicators			
Power Supply	760w, 1+1			
Weight	58 lbs.			

#### Consolidates all your backups cost effectively

Single control point for all backups across any mix of operating systems including IBM i, p and x Series, Windows, Linux, Unix, Netware, and OS X.

#### Cut your backup time by 90% or more

With disk-to-disk tape virtualization you can write backups to multiple virtual tape drives concurrently, at speeds of up to 1.2 GB/s.

#### Optional deduplication reduces backup space typically by 50:1

Store more backups in less space, a 1 TB backup could use as little as 20 GB of space. Supports bandwidth-friendly site-to-site replication.

#### 6 simultaneous systems or partitions

(expandable) Each writing in parallel to its own virtual tape drive/library.

#### Utilizes your existing tape backup software

so there are no new procedures to learn or new software to purchase.

#### Writes to removable tape on schedule or on demand,

from the primary or recovery VTL in a serverless operation that won't slow your network.

#### Interface to network UPS

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#### Secure data at rest with optional tape encryption

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