

V Series

IP SAN D2D2T Backup



Cybernetics' miSAN® V Series The Best of Disk and Tape in One

The miSAN® V Series combines the incredible speed of disk-to-disk backup with the security of removable tape archives. Using familiar Ethernet components, this D2D2T solution provides enterprise-wide access to 24 TB (up to 48 TB with data compression) for centralized backed and restore – at 300 MB/s. Once installed, you can automate backup to run for days, weeks, or months without operator intervention; even run multiple backup jobs concurrently to independent logical libraries within the VTL. Restore from disk is almost instantaneous.

With serverless offload to removable tape, with an integrated or external tape drive, the V Series delivers the best of disk and tape technologies in one solution for unbeatable performance and data protection. Just 2U of rack space includes a disk-based virtual tape library with up to 18 TB, plus easy export of up to 1.6 TB per removable tape. For added protection, optional Data Encryption is available for both virtual tapes on disk and removable tapes, for the growing number of companies who are bound by new regulations to protect private employee, customer, client, and patient data.

Combine the lightning fast speed of disk-to-disk backup with the security of point in time removable archives, add the flexibility of IP SAN storage networking, and you have the miSAN® V Series backup solution.

**Available from 1 TB to 24 TB Capacity,
Uncompressed.**

**Up to 48 TB Capacity with Data
Compression**

300 MB/s Throughput

**Serverless Archive To SCSI Tape or
USB Disk**

**SCSI Ports For Direct Attached Host
Connectivity And Archive Tape Libraries**

Easy Swap Removable Tape Drive Option

**Licensing For Up To 16 Virtual Tape
Libraries**

**Interface To Network UPS Eliminates
Data Corruption Due To Power Failure**

Optional Data Encryption

NEW!

miSAN[®] V Series

D2D2T Backup Solutions



	T24	T18	T12	T9	T6	T4	T2	T1
Raw Capacity	24 TB	18 TB	12 TB	9 TB	6 TB	4 TB	2 TB	1 TB
Usable Capacity	21/18 TB	15/12 TB	10/8 TB	7.5/6 TB	4.5 TB	3 TB	1.5 TB	500 GB
Compressed Capacity	48 TB	36 TB	24 TB	18 TB	12 TB	8 TB	4 TB	2 GB
Disk Drive bays	16	16	12	12	8	8	8	8
Transfer Rate	300 MB/s							
Disk Drives	3.0 gb/s Serial ATA II with NCQ and SMART							
RAID Levels	0, 1, 10, 5, 50 + Hot Spare							
Hot Swap And Redundant	Power Supplies, Disk Drives							
Power Supply	800w, 2+1	650w, 2+1				Dual, 460w		
Cache	2 GB				512 MB, 2 GB with Tape Encryption			
System Type	3U Rackmount				2U Rackmount			
Network Interface	4 + 1 GbE			2+1 GbE				
Archive Interface	LVD SCSI Port supports Rewritable Tape Drive/Library USB Port Supports Direct Offload to USB Disk Drive							
Tape Virtualization	16 Virtual Tape Drives Unlimited Virtual Tapes Virtual Tape Library Support Serverless Archive to Removable Tape Drive/Library							
Electrical	357 watts max, 100-240 VAC							



miSAN[®] V Series With Integrated Tape

	T9/AIT-5	T9/LTO-4	T6/AIT-5	T6/LTO-4	T4.5/AIT-5	T4.5/LTO-4
Raw Disk Capacity	9 TB	9 TB	6 TB	6 TB	4.5 TB	4.5 TB
Usable Capacity	6 TB	6 TB	4 TB	4 TB	3 TB	3 TB
Compressed Capacity	18 TB	18 TB	12 TB	12 TB	9 TB	9 TB
Integral Tape Formats	AIT-5	LTO-4	AIT-5	LTO-4	AIT-5	LTO-4
Integral Tape Capacity	400 GB - 800 GB	800 GB - 1.6 TB	400 GB - 800 GB	800 GB - 1.6 TB	400 GB - 800 GB	800 GB - 1.6 TB
Network Interface	2+1 GbE					
SCSI Interface	LVD 320					

Environmental

Maximum Ambient Temperature	< +30° C (< +86° F)
Operating Temperature	+5° C to +55° C (+41° F to +131° F)
Non-Operating Temperature	-40° C to +70° C (-40° F to +158° F)
Operating Shock	10 Gs
Non-Operating Shock	75 Gs
Altitude	10,000 feet

