

# D Series

## IP SAN Storage



### **Cybernetics' miSAN® D Series with SANDR A Breakthrough in Data Protection and Disaster Recovery**

The miSAN® D Series is a powerful iSCSI SAN RAID designed to deliver terabytes of block level storage to heterogeneous hosts across your Ethernet network, using the standard IP network protocol. Simply connect miSAN® to your network; then, access the intuitive management menu from the central console or web browser to allocate disk capacity where and when it's needed. Operating system independent, with full support for Exchange, SQL, and other popular applications, miSAN® D Series delivers all the benefits of virtual storage – along with comprehensive protection from every threat to data availability.

Powered by Cybernetics' exclusive SANDR Technology, the miSAN® D Series delivers vastly greater performance and data protection than has ever been available in a single storage solution. With miSAN® D Series with SANDR, you get highly available live storage, Snapshots and Active Deduplication Backups (ADB), and archival storage in one; and because everything is accomplished at the disk drive level there is no need for a backup server or third party backup software. It's truly in a class by itself.

#### **Live Storage for High Availability**

**iSCSI SAN is the most efficient kind of storage – block level SAN storage.**

**High performance – Over 300MB/s throughput.**

**Reliable – RAID 5 + Hot Spare and all units include a free cold spare disk.**

**Highly available – Hardware level mirroring with automatic fail-over.**

**Compatible – Windows, Linux, Unix, Netware, Databases, Virtual Machines.**

#### **Continuous Data Protection**

**Snapshots – iSCSI SAN RAID creates its own time-stamped mount points.**

**Rollback – In an instant, roll back to any snapshot mount point.**

**Remote – Synchronized units transport changed blocks via WAN.**

**Recovery – Access any mount point for reporting, backup or restore.**

#### **Archival for Disaster Recovery**

**Integrated – Backup direct to dedicated tape device without third party software.**

**Serverless – Backup is initiated from the miSAN without a backup server.**

**Image backup – Bare metal disaster recovery any time, anywhere.**

**Durable – transportable tapes protect data archives for decades to come.**

**NEW!**

# miSAN<sup>®</sup> D Series

## IP SAN Storage Solutions



	<b>T24</b>	<b>T18</b>	<b>T12</b>	<b>T9</b>	<b>T6</b>	<b>T4</b>	<b>T2</b>	<b>T1</b>
<b>Raw Capacity</b>	24 TB	18 TB	12 TB	9 TB	6 TB	4 TB	2 TB	1 TB
<b>Usable Capacity</b>	21/18 TB	15/12 TB	10/8 TB	7.5/6 TB	4.5 TB	3 TB	1.5 TB	500 GB
<b>Disk Drive bays</b>	16	16	12	12	8	8	8	8
<b>Transfer Rate</b>	300 MB/s							
<b>Disk Drives</b>	3.0 gb/s Serial ATA II with NCQ and SMART							
<b>RAID Levels</b>	0, 1, 10, 6, 5, 50 + Hot Spare							
<b>Hot Swap And Redundant</b>	Power Supplies, Disk Drives							
<b>Power Supply</b>	800w, 2+1	650w, 2+1			Dual, 460w			
<b>Cache</b>	4 GB					1 GB		
<b>System Type</b>	3U Rackmount					2U Rackmount		
<b>Network Interface</b>	4 + 1 GbE							
<b>SCSI Interface</b>	2 LVD 320							
<b>Electrical</b>	249 watts max, 100-240 VAC							

## miSAN<sup>®</sup> D Series With Integrated Tape

	<b>T9/AIT-5</b>	<b>T9/LTO-4</b>	<b>T6/AIT-5</b>	<b>T6/LTO-4</b>	<b>T4.5/AIT-5</b>	<b>T4.5/LTO-4</b>
<b>Raw Disk Capacity</b>	9 TB	9 TB	6 TB	6 TB	4.5 TB	4.5 TB
<b>Usable Capacity</b>	6 TB	6 TB	4 TB	4 TB	3 TB	3 TB
<b>Integral Tape Formats</b>	AIT-5	LTO-4	AIT-5	LTO-4	AIT-5	LTO-4
<b>Integral Tape Capacity</b>	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

### Environmental

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

