



# Scale Effortlessly with Cleversafe's dsNet<sup>®</sup> Technology.

Our appliances deliver a turn-key solution enabling you to begin storing and protecting your data immediately after installation.

## Software

### Description of dsNet<sup>®</sup> Manager

#### Dispersed Storage<sup>®</sup> Manager

Health and performance monitoring  
GUI and API access  
Configuration and security  
Zero downtime upgrades

## Hardware

### dsNet<sup>®</sup> Manager 2105 / 3100



### Description of Accesser<sup>®</sup>

#### Dispersed Storage<sup>®</sup> Router

Slices  
Disperses  
Retrieves data

### Accesser<sup>®</sup> 2100 / 3100



### Description of Slicestor<sup>®</sup>

#### Dispersed Storage<sup>®</sup> Servers

Storage for slices  
Single site or multi-site  
Rebuilder provides self-healing

### Slicestor<sup>®</sup>



#### Slicestor 4100

3.8 TB capacity  
SATA SSD  
1U form factor



#### Slicestor 2212

48 TB capacity  
SATA HDD  
2U form factor



#### Slicestor 1440 / 2440

288 TB capacity  
SATA HDD  
4U form factor

# Appliance Specifications

	SLICESTOR 1440	2440	2212	4100
CPU	Intel Xeon E5-2603 1.8GHz	Intel Xeon E5-2620 2.0GHz	Intel Xeon E5-2620 2.0GHz	Intel Xeon E5-2650 2.0GHz
Cache	10MB	15MB	15MB	20MB
Memory	4 x 8GB DDR3	8 x 8GB DDR3	4 x 8GB DDR3	4 x 8GB DDR3
OS HDD	1 x 500GB 5.4Krpm SATA SSHD	1 x 500GB 5.4Krpm SATA SSHD	1 x 500GB 5.4Krpm SATA SSHD	1 x 500GB 5.4Krpm SATA SSHD
# of Drives	48	48	12	8
Drive Options	3TB, 4TB and 5TB HDD	4TB and 6TB HDD	3TB and 4TB HDD	8 x 480GB SSD
Power Supply	Redundant	Redundant	Redundant	Redundant
Network Interface	2 x 1GigE, option to add 2 x 10 GigE	2 x 1GigE + 2 x 10 GigE	2 x 1GigE, option to add 2 x 10 GigE	2 x 1GigE + 2 x 10 GigE
<b>Physical Planning</b>				
Form Factor	4U	4U	2U	1U
Dimensions (WxHxD)	17.2" x 7.0" x 31.5"	17.2" x 7.0" x 31.5"	17.2" x 3.5" x 25.5"	17.2" x 1.75" x 23.5"
Weight	138.0 lbs (62.6 kg)	158 lbs (71.6 kg)	52.0 lbs (23.6 kg)	27.0 lbs (12.2 kg)
Max Power	903W (max); 100/240AC power	840W(max); 100/240AC power	288W (max); 100/240 AC power	179W (max); 100/240AC power
Rail length	29" to 36"	29" to 36"	27" to 36"	19" to 26.4"
Power supply cables	2 C13 to 1 C14 split cable, 6ft, 18AWG	2 C13 to 1 C14 split cable, 6ft, 18AWG	C13 to C14, 6ft, 18AWG	C13 to C14, 6ft, 18AWG

	ACCESSER 2100	3100	dsNET MANAGER 2105	3100
CPU	Intel Xeon X3430 2.4GHz	Dual Intel Xeon E5-2650 2.0GHz	Intel Xeon E5-2620 2.0GHz	Intel Xeon E5-2650 2.0GHz
Cache	8MB	20MB	15MB	20MB
Memory	4 x 4GB DDR3	16 x 8GB DDR3	4 x 8GB DDR3	8 x 8GB DDR3
OS HDD	1 x 500GB 7.2Krpm SATA	1 x 500GB 7.2Krpm SATA	2 x 1TB 7.2Krpm SATA (RAID 1)	1 x 1TB and 2 x 3TB 7.2Krpm SATA (RAID 1)
Power Supply	Redundant	Redundant	Redundant	Redundant
Network Interface	2 x 1GigE + 2 x 1 GigE	2 x 1GigE + 2 x 10 GigE	2 x 1GigE	2 x 1GigE + 2 x 10 GigE
<b>Physical Planning</b>				
Form Factor	1U	1U	1U	1U
Dimensions (WxHxD)	17.2" x 1.7" x 25.6"	17.2" x 1.7" x 25.6"	17.2" x 1.7" x 25.6"	17.2" x 1.7" x 25.6"
Weight	26.4 lbs (12.0 kg)	31.5 lbs (14.3 kg)	27.6 lbs (13.15 kg)	30.0 lbs (13.6 kg)
Max Power	171W (maximum); 100/240 AC power	245W (maximum); 100/240 AC power	165W (maximum); 100/240 AC power	215W (maximum);
Rails length	19" to 26.4"	19" to 26.4"	19" to 26.4"	19" to 26.4"
Power supply cables	C13 to C14, 6ft, 18AWG	C13 to C14, 6ft, 18AWG	C13 to C14, 6ft, 18AWG	C13 to C14, 6ft, 18AWG

## ENVIRONMENTAL

Operating Temperature	10 to 35°C (50 to 95°F)	Operating Humidity	8% to 90% (non-condensing)
Non-Operating Temperature	-40 to 70°C (-40 to 158°F)	Non-Operating Humidity	5% to 95% (non-condensing)

## SOFTWARE

<b>All Appliances</b>	OPERATING SYSTEM: ClevOS™ – Cleversafe Linux OS variant optimized for information dispersal		
<b>Software Features</b>	<p>Combines erasure coding and object storage to store data reliably, and with a high level of availability, at significantly lower cost than solutions based on RAID and replication</p> <p>SecureSlice™ technology for data at rest confidentiality</p> <p>dsNet Analytics offers built in analysis of stored data using Hadoop MapReduce</p>	<p>Scalable, peer to peer architecture, that easily scales to any size you require</p> <p>Naturally supports geo-dispersed (multi-site) deployment, providing site fault tolerance without the cost of copies</p> <p>Comprehensive management capability accessible via a web GUI or APIs</p>	
<b>Protocols</b>	<p>RESTful object interfaces</p> <p>S3 API Compatibility</p> <p>CIFS and NFS via gateways</p>	<p>HDFS interface</p> <p>OpenStack Swift Compatibility</p>	

### Cleversafe, Inc.

222 South Riverside Plaza, Suite 1700, Chicago, Illinois 60606  
Phone: +1.312.423.6640, cleversafe.com



© Copyright 2014 Cleversafe, Inc. All rights reserved.