Dynamic Solutions
INTERNATIONAL

"Protecting the World's Information"

iDSI540 Series for IBM

Experience You Can Trust

Protecting the world's information is our mission. Offering 45+ years of experience in data protection solutions and expertise in both disk and tape technologies, DSI meets the needs of IT professionals worldwide. DSI offers optimized solutions for data backup, recovery, and archiving. DSI has award winning designs, patented technologies, superior reliability, first class sales and support, and a variety of solutions customized to meet your needs.

Maximize Use of Valuable Resources

The iDSI540 is designed to help you keep pace with your rapidly expanding data by utilizing state-of-the-art deduplication for your data storage. There is no disruption as your capacity or performance needs change...simply add a storage license to your existing solution. Designed with growth in mind the entire iDSI540 Series can increase in storage capacity through licensing of 1TB increments (5TB logical capacity). No need to purchase more storage than you need.

Protect Your Investment

Data security is at the forefront of our minds when building a backup and disaster recovery solution. DSI utilizes the industry's top standards for encryption and encryption-at-rest. Rest assured your data is always protected: The iDSI540 comes with encryption-at-rest and encryption-in-flight as standard features, and supports physical tape encryption as well.

Maximize Your Data Center Efficiency

As data storage increases worldwide, all companies will need a way to get the most out of their storage solutions. The iDSI540 Series deduplication appliances are designed for maximum efficiency. In addition to allowing for extra security and deduplication, the software offerings available for pairing with the iDSI540 Series, DSI Conductor and DSI Tracker allow for file tracking and added automation. Combined with the iDSI540 Series the environment becomes a seamless addition to your environment.

Build Your System, Your Way

The iDSI540 Series provides enterprise-class protection for a wide range of datacenter environments.

Component Description for iDSI540

iDSI540-D04: Base Unit for deduplication VTL capable of supporting from 4 - 40TBs* of backup capacity.

iDSI540-D12: Base Unit for deduplication VTL capable of supporting from 4 - 120TBs* of backup capacity.

iDSI540-D24: Base Unit for deduplication VTL capable of supporting from 4 - 240TBs* of backup capacity.

iDSI540-D48: Base Unit for deduplication VTL capable of supporting from 4 - 480TBs* of backup capacity.

*See configuration table for details.

THE iDSI540 IS DESIGNED TO HELP YOU KEEP PACE WITH YOUR RAPIDLY EXPANDING DATA BY UTILIZING STATE-OF-THE-ART DEDUPLICATION FOR YOUR DATA STORAGE.

Business Partner IBM
Ready for
Power Systems Software

Model	iDSI540-D04	iDSI540-D12	iDSI540-D24	iDSI540-D48
Storage	8 x 1.2TB SED drives 5-20TB logical capacity	8 x 4TB SED drives 5-60TB logical capacity	12 x 4TB SED drives 5-120TB logical capacity	12 x 8TB SED drives 5-240TB logical capacity
Raid Level	6	6+1	6+1	6+1
Processor Type	1 x Xeon 4110	2 x Xeon 4114	2 x Xeon 4114	2 x Xeon 4114
Memory	32GB	64GB	96GB	192GB
Interfaces	2 x 16GB FC Ports		4 x 16Gb FC ports (+2 option)	6 x 16Gb FC ports
Power Supply	2 x 550W (N+1) Hot Swap	2 x 1100W (N+1) Hot Swap	2 x 1100W (N+1) Hot Swap	2 x 1100W (N+1) Hot Swap
Power Requirements	100-240 V AC (6.5 A-3 A)	100-240 V AC (12 A-6.5 A)	100–240 V AC (12 A-6.5 A)	100–240 V AC (12 A-6.5 A)
Physical Dimensions	482.0 mm (18.98") x 642.31 mm (25.28") x 42.8 mm (1.7")	482.0 mm (18.98") x 714.64 mm (28.13") x 86.8 mm (3.42")	482.0 mm (18.98") x 714.64 mm (28.13") x 86.8 mm (3.42")	482.0 mm (18.98") x 714.64 mm (28.13") x 86.8 mm (3.42")
Form Factor	1U	2U	2U	2U
Weight	15.2 kg (33.51 lb.)	28.6 kg (63.05 lb.)	28.6 kg (63.05 lb.)	28.6 kg (63.05 lb.)
Operating Temperature	5°C to 40°C (41°F to 104°F)	10°C to 35°C (50°F to 95°F)	10°C to 35°C (50°F to 95°F)	10°C to 35°C (50°F to 95°F)
Cooling Requirements	2559 BTU/hr.	4100 BTU/hr.	4100 BTU/hr.	4100 BTU/hr.
Operating Humidity	5% to 85% relative humidity	10% to 80% relative humidity	10% to 80% relative humidity	10% to 80% relative humidity
Max Virtual Libraries	128	128	128	128
Max Virtual Tape Drives	256	1,024	1,024	1,024
Max Virtual Tape Cartridges*	64,000	64,000	64,000	64,000
Deduplication	Included	Included	Included	Included
Backend Physical Tape Support	Included	Included	Included	Included
Replication	Included	Included	Included	Included
Tape Consolidation	Included	Included	Included	Included
Tape Encryption	Included	Included	Included	Included
SAS Tape Interface	Option	Option	Option	Option
10Gb Network	RJ45 standard, SFP+ Option	RJ45 standard, SFP+ Option	RJ45 standard, SFP+ Option	RJ45 standard, SFP+ Option
Cload Export	Option	Option	Option	Option

* Maximum virtual tape cartridges varies by configuration

Visit us at DynamicSolutions.com or call 303.754.2080 to speak directly with a solutions architect.

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