



**Dynamic Solutions**  
INTERNATIONAL



# DSI420

## Experience You Can Trust

Protecting the world's information is our mission. With 40+ 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 DSI420 is designed to help you keep pace with your rapidly expanding data by utilizing state-of-the-art deduplication for your data storage. There's no need to throw out the old and bring in the new when your capacity or performance needs change... simply add a storage module to your existing solution, and easily scale your capacity and performance. Designed with growth in mind the two tiers of products can scale in increments of 12 TB. Tier 1 (DSI420-T1B) is for those with mid-range data needs that can grow from 12 TB-72 TB. Tier 2 (DSI420-T2B) is for the enterprise customer with larger data demands, scaling from 84 TB - 144 TB per node.

## Protect Your Investment

Data security is at the forefront of our minds when building a storage solution. DSI utilizes the industry's top standards for encryption and encryption-at-

rest. The DSI420 comes with encryption-at-rest as a standard feature and for those looking to protect their information in transit there is the optional feature of secure encryption-in-motion.

## 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 DSI420 series deduplication is designed for efficiency. The DSI420 series is able to allow complex environments to become automated easily.

## Component Description for DSI420

**DSI420-T1B:** Base Unit for deduplication VTL capable of supporting from 12-72TB with the storage unit (DSI420-S24) and/or licensing (DSI420-C12). (See configuration table for details)

**DSI420-T2B:** Base unit for deduplication VTL capable of supporting from 84-144TB with storage unit (DSI420-S24) and/or licensing (DSI420-C12). (See configuration table for details)

**DSI420-S24:** Storage expansion module for the DSI420 deduplication system that enables customer to increase storage up to 24TB per module. (See configuration table for details)

**DSI420-C12:** The DSI420-C12 is the licensing component enabling growth at 12TB increments. For each 12TB of storage it will be necessary to purchase a DSI420-C12. (See configuration table for details)

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DESIGNED TO HELP YOU  
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RAPIDLY EXPANDING DATA  
BY UTILIZING STATE-OF-  
THE-ART DEDUPLICATION  
FOR YOUR DATA STORAGE.

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Below you will find the technical specification as well as a basic configuration table for both Tier 1 and Tier 2 systems.

	DSI420-T1B	DSI420-T2B
Storage	12-4TB Self-Encrypting disk units	12-4TB Self-Encrypting disk units
Power Supply	1 + 1 High Efficiency, Hot Swap	1 + 1 High Efficiency, Hot Swap
Interface	4-16Gb FC Ports	4-16Gb FC Ports
Temp	10-35°C	10-35°C
Humidity	10-80%	10-80%
Heat Output/Cooling Requirements	4,100 BTU's/hr.	4,100 BTU's/hr.
Power/Intl. Power	1100w/110v/12a Intl: 240v/6.5a	1100w/110v/12a Intl: 240v/6.5a
Physical (inches)	3.4 x 18.9 x 29.7	3.4 x 18.9 x 29.7
Weight	71.5lbs/32.5kg	71.5lbs/32.5kg
Raid Level	6 + 1	6 + 1
Form Factor	2u	2u
Memory	192GB Total	384GB Total
Processor Type	Intel Xeon E5-2640 v3	Intel Xeon E5-2670 v3
# Virtual Libraries	128	128
# Virtual Tape Drives	1,024	1,024
# Virtual Tape Cartridge Supported	64,000	64,000
Backend Physical Tape	Yes	Yes
Replication (w/ encryption/compression)	Optional	Optional
Tape Consolidation (stacking)	Optional	Optional
VTL Agent	Optional	Optional
Open Systems ISV Attachment	Yes	Yes
OS 2200 Host Attachment	Optional	Optional
MCP Tape Management	Optional	Optional
iSeries	Optional	Optional

	DSI420-S24
Storage Capacity	12-4TB Self-Encrypting disk units
Interface	12Gb SAS
HxWxD	3.39 x 18.8 x 23.17
Weight	62.6 (28.39kg) (maximum configuration)
Temperature	10-35°C
Humidity	8%-85%
Heat Output/BTU's	2,047BTU/hr.
Power/INTL Power	600w/110v/8.6a INTL: 600w/240v/4.3a
Raid Level	6 + 1
Form Factor	2u

Storage Capacity	DSI420-T1B (Tier 1 Base)	DSI420-S24 (Storage Extension)	DSI420-C12 (License)	Form Factor	Storage Capacity	DSI420-T2B (Tier 2 Base)	DSI420-S24 (Storage Extension)	DSI420-C12 (License)	Form Factor
12TB	1	0	1	2u	84TB	1	3	7	8u
24	1	0	2	2u	96	1	3	8	8u
36	1	1	3	4u	108	1	4	9	10u
48	1	1	4	4u	120	1	4	10	10u
60	1	2	5	6u	132	1	5	11	12u
72	1	2	6	6u	144	1	5	12	12u

Options: Stacking, Encryption, REPL Agent, iSeries, Backend Library

Visit us at [DynamicSolutions.com](http://DynamicSolutions.com) or call +1 303.754.2000 to speak directly with a storage systems specialist.



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