



DSI420-EVD: IBM

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 DSI 420-EVD is designed to help you keep pace with your rapidly expanding data by utilizing state-of-the-art deduplication for your data storage. As your data storage needs grow, there is no need to throw out-the-old... simply add a storage module to your existing solution, and easily scale your data storage. Designed with growth in mind, the DSI400-EVD is our deduplication node for enterprise environments.

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-S32 comes with encryption-at-rest as a standard feature and for those looking to protect their information in transit, secure encryption-in-motion comes standard.

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-EVD deduplication capabilities are designed for efficiency. The DSI420-EVD is able to allow complex environments to become automated easily.

Component Description for DSI420

DSI420-EVD: Head node for the enterprise deduplication VTL. NO STORAGE INCLUDED. May be paired with DSI storage solutions (FEM, SEM, S32) or a DSI qualified storage solution.




DSI5100-FEM: Head storage unit for enterprise VTL. Fiber-Channel storage with 16TB (usable) storage. The DSI5100-FEM may be paired with the DSI5100-SEM (additional storage) or DSI5100-S32 (additional storage) to add storage capabilities into the petabytes.

DSI5100-SEM: SAS connected storage unit for the DSI420-EVD VTL. The DSI5100-SEM has 16TB (usable) storage per unit and can build up to 8 systems per head node.

DSI5100-S32: SAS connected storage unit for the DSI420-EVD VTL. The DSI5100-S32 has 32TB (usable) storage enabling the most robust enterprise environments to scale faster.

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	 DSI1400141-EVD	 DSI5200141-FEM	 DSI5100141-S32
	De-dupe head	Storage Module	Storage Module
End user capacity		16TB	
	De-dupe Cluster (Enterprise) node	FC / SAN connected ENCRYPTED Base Storage Module	SAS connected ENCRYPTED Storage Module for DSI5100-FEM
# virtual libraries	128		
# virtual tape drives	1,024		
# virtual tape cartridges supported	64,000		
Backend physical tape	FC only		
Replication (w/ encryption / compression)	INCLUDED		
SecureTape encryption	INCLUDED		
Tape consolidation (stacking)	INCLUDED		
High Availability	N + 1 OPTION		
Data De-duplication	YES		
VTL Agent	OPTIONAL		
Open systems ISV attachment	YES		
DSI VTL Conductor	OPTIONAL		
DSI Tracker	OPTIONAL		
IBM i	OPTIONAL		
Processors	Intel Xeon E5-2670 v3		
RAM	384GB Total		
Raid Level	0		
Number of GBe Ports	4	0	0
Number of FC Ports	4	4	0
Number of SAS Input Ports	0	0	2
Number of SAS Output Ports	0	2	2
Internal storage capacity (usable)	600 GB (0)	36 TB raw (16TB)	48 TB raw (32TB)
# drives	2 x 300 GB	9 x 4TB	12 x 4TB (Raid 6+1)
Dimensions (H x W x D):	3.40" x 17.44" x 26.80"	3.5" x 19.00" x 26.4"	3.39" x 18.8" x 23.17"
Weight:	57.54 lbs	77 lbs 12-drives	62.6 lbs 12-drives
Temperature / Humidity considerations:	10 - 35°C / 10 - 80%	10 - 40°C / 20 - 80%	10 - 35°C / 8 - 85%
Heat output / cooling requirements:	4,100 BTU's/hr	1,900 BTU's/hr	1,900 BTU's/hr
Power supply rating (self switching)	100 - 240v, 50/60hz	100 - 240v, 50/60hz	100 - 240v, 50/60hz
Power / breaker requirements - US / C	1,100w/110v/12a	620w/110v/5.64a	600w/110v/5.64a
Power / breaker requirements - Int'l	1,100w/240v/6.5a	610w/240v/2.54a	600w/240v/2.54a

Visit us at DynamicSolutions.com or call +1 303.754.2000 to speak directly with a storage systems specialist.



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