Dynamic Solutions
INTERNATIONAL

"Protecting the World's Information"

iDSI620 Enterprise Series

Experience You Can Trust

Protecting the world's information is our mission. Offering 50+ 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 service and a variety of solutions customized to meet your needs.

Maximize Use of Valuable Resources

The iDSI620 Series Virtual Tape Library offers the most robust data protection for our customers. The iDSI620-EV0 may be paired with any DSI qualified Fibre- Channel external storage in your environment, allowing expansion into the petabytes of backup capacity.

Protect Your Investment

Data security is non-negotiable when building a backup and recovery solution. Rest assured your data is always protected: The iDSI620 ships standard with in-flight and at-rest encryption, so you can be confident that your data is protected every step of the way.

Maximize Your Data Center Efficiency

Data centers worldwide all face the constant challenge of critical business data growing exponentially. To address this, the iDSI620-EVD may be paired with an iDSI620-EV0 to insure maximum possible power management   and physical space efficiency.

DSI also offers consulting services to assist with strategic backup and disaster recovery (DR) planning, design and implementation.

Component Descriptions for iDSI620

iDSI620-EV0:

Typically is paired with any DSI qualified Fibre-Channel external storage in your environment, allowing expansion into petabytes of backup capacity.

iDSI620-EVD:

The enterprise deduplication module may be paired with either DSI's expansion modules or certified third-party disk arrays. No physical storage is included with the EVD head node.

iDSI620-SS1:

The management server provides configuration support, licensing distribution, reports, and alerts. It is required for enterprise multi-node environments and may be deployed as a Virtual Machine or a physical appliance.

Refer to the following configuration table on page 2 for details.

THE **iDSI620** IS DESIGNED TO HELP YOU KEEP PACE WITH YOUR RAPIDLY EXPANDING DATA BY UTILIZING STATE OF THE ART DEDUPLICATION FOR YOUR BACKUPS

Business Partner
IBM
Ready for
Power Systems Software

	iDSI620-EV0 VTL Node	iDSI620-EVD Deduplication Node	iDSI620-SS1 Management Console
End user capacity	Up to 2.7 PB*		
Processor Type	2 x AMD EPYC 7282	2 x AMD EPYC 7282	2 x Intel Xeon 4310
Memory	128 GB	512 GB (expandable to 2048 GB)	64 GB
FC Interfaces	12 x 16GB FC ports	4 x 16GB FC ports	N/A
Storage	2 x 600GB – RAID 0 (User storage is external)	2 x 600GB – RAID 0 (User storage is external)	2 x 600GB – RAID 0
Network Interface	4 x 10Gb RJ45	4 x 10Gb RJ45 (SFP+ option)	2 x 10Gb RJ45
Power Supply	2 x 1400W (N+1) Hot Swap	2 x 1400W (N+1) Hot Swap	2 x 800W (N+1) Hot Swap
Power Requirements	100-240V AC (12A – 8A)	100-240V AC (12A – 8A)	100-240V AC (9.2A – 4.7A)
Physical Dimensions	482.0 mm (18.98") x 736.29 mm (28.92") x 86.8 mm (3.42")	482.0 mm (18.98") x 736.29 mm (28.92") x 86.8 mm (3.42")	482.0 mm (18.98") x 712.95 mm (28.07") x 42.8 mm (1.68")
Form Factor	2U	2U	1U
Weight	26.6 kg (58.64 lb)	26.6 kg (58.64 lb)	16.58 kg (36.55 lb)
Operating Temperature	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	5250 BTU/hr.	5250 BTU/hr.	3000 BTU/hr.
Operating Humidity	8% to 80% relative humidity	8% to 80% relative humidity	8% to 80% relative humidity
Max Virtual Libraries	128	N/A	N/A
Max Virtual Tape Drives	1024	N/A	N/A
Max Virtual Tape Cartridges*	1,000,000*	N/A	N/A
Backend Physical Tape	Supported (FC only)	N/A	N/A
Replication	Included	N/A	N/A
Secure Tape Encryption	Included	N/A	N/A
Tape Consolidation (stacking)	Included	N/A	N/A
Deduplication	Optional Requires iDSI620-EVD	Included	N/A
High Availability	Optional	Optional	N/A
Max Configuration	2 nodes (Active/Active or Active/Passive)	4 Active nodes + 1 Standby node	N/A
VTL Agent	Included**	Included**	N/A
Open Systems ISV Attach	Yes	Yes	N/A
DSI Tracker/Conductor	Optional	N/A	N/A

* Maximum end user capacity and number of virtual cartridges is dependent upon user data, memory usage and configuration type.

** DSI VTL Agent is included with the EV0/EVD, when DSI VTL Conductor software is ordered.

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

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