

IBM TS7620 ProtecTIER Deduplication Appliance Express

*Fast, reliable and easy-to-deploy backup and recovery
for mid-sized environments*



Highlights

- Improves backup and recovery performance with high-speed, disk-based data protection
- Accelerates recovery of critical data
- Optimizes storage infrastructure and helps reduce total cost of ownership (TCO)
- Helps achieve business resilience objectives without changing existing backup procedures and practices
- Leverages data deduplication technology to help solve backup and recovery challenges in mid-sized environments



Designed for mid-sized companies needing a more holistic approach to data protection, the IBM® System Storage® TS7620 ProtecTIER® Deduplication Appliance Express leverages unique data deduplication technology to help solve critical backup and recovery challenges.

Available in two configuration options, the TS7620 ProtecTIER Deduplication Appliance Express is an integrated server and storage hardware platform that ships with IBM ProtecTIER deduplication software preinstalled. This solution has a preconfigured repository and can be configured with either a Virtual Tape Library or Symantec OpenStorage interface. The TS7620 ProtecTIER Deduplication Appliance Express provides the essential capacity, price/performance, reliability, availability and scalability features your business demands.

The TS7620 ProtecTIER Deduplication Appliance Express provides:

- Up to 300 MBps or more inline deduplication performance
- Backup or recovery of 1 TB of data in less than 1 hour
- Capacity to store up to 875 TB or more backup data on a single 35 TB appliance
- Automated electronic replication capabilities for enhanced remote office data protection
- Emulation of up to four virtual libraries, 64 virtual drives and 8,192 virtual cartridges;
- Easy deployment and manageability, field upgradeable from 5.5 to 35 TB usable capacity



The TS7620 ProtecTIER Deduplication Appliance Express solution is designed to increase backup performance by replacing tape with high-speed disk. This can speed up recovery operations and optimize the storage infrastructure by delivering a high level of business resiliency without changing existing backup policies, practices and procedures.

Why IBM?

IBM offers a broad range of hardware, software and services that deliver options including deduplication, thin provisioning, real-time data compression, space-efficient flash copy, optimized solid-state storage solutions, tape and blended disk and tape solutions.

IBM System Storage TS7620 ProtecTIER Deduplication Appliance Express at a glance	
Models	3959-SM2
RAID controller	LSI MegaRAID serial-attached SCSI (SAS) 9280-4i4e (repository), LSI MegaRAID SAS 9240-4i (boot drives)
Cache per controller	512 MB
Host interface	1 Gb copper Common Internet File System, 1 Gb copper OpenStorage, 8 Gb Fibre Channel Virtual Tape Library
Drive interface	Nearline-SAS (repository), Serial Advanced Technology Attachment (SATA) (boot)
Supported drives	12 x 2 TB nearline-SAS (repository), 2 x 500 GB SAS (boot)
RAID levels	RAID 1, RAID 5
Maximum drives supported	12 (repository), 2 (boot drives)
Fans and power supplies	10 fans, 2 power supplies
Rack support	Mounts in 19" rack
Management software	ProtecTIER Manager
Size	Height 132 mm (5.2 in); width 483 mm (19.0 in); depth 895 mm (35.2 in)
Environment	See the <i>Environmental Notices and User Guide</i> , Z125-5823-xx manual

For more information

To learn more, please contact your IBM representative or IBM Business Partner, or visit: ibm.com/systems/storage/tape/protectier



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Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.



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