

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
- Optimises 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 extraordinary 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 (VTL) or Symantec OpenStorage (OST) 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 megabytes per second (MBps) inline deduplication performance
- Backup or recovery of 1 terabyte (TB) of data in less than one hour
- Capacity to store up to 875 TB 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 optimise 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 FlashCopy, optimised solid-state storage solutions, tape and blended disk and tape solutions.



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IBM System Storage TS7620 ProtecTIER Deduplication Appliance Express at a glance

Models	3959-SM2
Redundant Array of Independent Disk (RAID) controller	LSI MegaRAID serial-attached SCSI (SAS) 9280-4i4e (repository), LSI MegaRAID SAS 9240-4i (boot drives)
Cache per controller	512 megabytes (MB)
Host interface	1 gigabit (Gb) copper common internet file system (CIFS), 1 Gb copper OST, 8 Gb Fibre Channel (FC) VTL
Drive interface	Nearline-serial attached SCSI (SAS-NL) (repository), serial advanced technology attachment (SATA) (boot)
Supported drives	12 x 2 TB SAS-NL (repository), 2 x 500 gigabytes (GB) SAS (boot)
RAID levels	RAID 1, RAID 5
Maximum drives supported	12 (repository), two (boot drives)
Fans and power supplies	10 fans, two power supplies
Rack support	Mounts in 19 in. 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 (BP), or visit: ibm.com/systems/storage/tape/protectier