

StoreData SHARC lite WS Smart Hierarchical Archiving



In a digital environment, information should be safely stored on a digital archive in order to be retrieved easily and quickly. Backup software protects the integrity of the information but it was not designed to create an archive. Consequently the process to recover the desired file is cumbersome and slow and can lead to mistakes if it is performed by unskilled users.

Until now, the only way to have a low cost archival was to use removable media or devices such as DVD's or USB disk drives. However this solution is very limited because it does not identify which media contains a specific file and therefore, as the size of the archive grows, it gets unmanageable.

The alternative is to implement a more costly archival system that makes file archiving and restoring a quick and safe task, but the drawback is that these systems are designed for very large volumes of data and typically include a robotic tape library. This type of solution is just too costly for many users who have smaller archive requirements.

The solution to the problem is StoreData SHARC lite, a low cost archival system. It consists of a desktop PC with one LTO drive unit and configured with archiving software that creates a volume that behaves like a

hard disk. Archiving a file is as simple as drag and drop or copy and paste the file to the StoreData SHARC lite icon using Windows Explorer. Once the file is archived it appears on the unit directory. When the tape is full, the user simply inserts a second tape to allow more files to be archived. This process can go on indefinitely. As the volume created behaves like a hard disk, it maintains the folder and file structure for all the tapes that have been archived even for the offline tapes. Should the user need to recover a file that is stored on an offline tape, the system will prompt the user with the name of the tape that contains the required file, requesting to insert it manually into the unit. It is the user who names the tape at the time it is formatted. On the tape name the user may include geographic information of where the tape is physically located.

If the size of the archive grows to a point that the application requires a quick and automated way to recover the files, the tapes created with StoreData SHARC lite can be used on a StoreData SHARC, a more powerful archival system that includes a tape library, because both systems utilize the same format and the same data base

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StoreData SHARC lite WS

Technical Specifications

Model	SD SHARC LITE WS 124511B	SD SHARC LITE WS 134511B
CPU	Intel Pentium Dual Core G3250, 3,1 GHz	
Memory	4 GB DDR3 ECC	
System drive	320 GB SATA 2,5" HDD for operating system and archival software	
Tape drive	6 Gbit SAS LTO-6 drive	6 Gbit SAS LTO-7 drive
Native capacity	2,5 TB	6 TB
Supported cartridges	LTO rewritable and LTO WORM	
Operating system	Windows 10 Pro 64 bits	
USB Ports	2 x USB 3.0	
Graphic Output	VGA D-Sub 15 pin	
Items included	Desktop PC with internal LTO drive, data & cleaning cartridge and archiving software	
Warranty	3 years (return to factory)	

Supported functionalities

Supported cartridges

The system supports an unlimited number of offline cartridges.

Tape Format

The format used is standard POSIX TAR. This allows that files can be restored by Linux and Unix operating systems and as well for most backup software that supports the same standard format. LTFs format is supported.

Tape Catalog

A tape catalog contains the contents of a specific LTO cartridge. The presence of a Tape Catalog greatly reduces the time to move a tape from one StoreData SHARC Lite system to another.

Rebuild Catalog

The system allows to rebuild the catalog if for some reason gets corrupted.

Report Generator

The StoreData SHARC Lite Report Generator may be used to create an Archive Status, File Search Status and Tape Cartridge Contents. Reports can be saved in a number of different formats.

StoreData SHARC Compatibility

Tapes generated on a StoreData SHARC lite can be migrated to and used by a StoreData SHARC system. Both systems use the same format and the same database.

