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HP Q2020A is the Ideal Backup Tape for the Super Fast SDLT600 Drives by [Rob Miller](#)

Article published on March 29th 2012 | [Hardware](#)

The government data retention laws and industry legislations have forced organizations to create periodic data backups. You cannot ensure long term security of your corporate data against malicious onsite data access, hackers and viruses. Additionally, there are several other threats like fire, hardware failures that heighten the risk of data loss. SDLT (Super Digital Linear Tape) system offers SMB customers a significant number of high-performance features and scalable roadmap that make it the first choice for many enterprise-class applications and HSM (Hierarchical Storage Management).

HP Hewlett-Packard has the most diverse range of backup solutions that are precision-engineered to maximize performance, data security and efficiency. HP is the industry's foremost manufacturer of SDLT solutions. HP's second generation SDLT 2 tape system is the first choice of many open storage area networks, high end workstations, departmental servers and small-scale businesses. Furthermore, it is a smart option for HP-branded ProLiant and Alpha servers. HP Q2020A is the newly-designed SDLT2 cartridge that accommodates a staggering 300GB native data. 2 to 1 data compression doubles its capacity to 600 GB, which is an attractive feature for businesses struggling with constrained media storage space.

SDLT600 is the new fast-streaming tape drive family engineered by HP to help overcome the stiff demands of time-critical applications. SDLT-600 drives are actually based on the SDLT2 technology and have been designed as internal and external units. This improves the compatibility and facilitates the I.T managers to setup an efficient backup system for high-volume backups without increasing the infrastructure complexity. Another benefit of installing these SDLT600 drive models is the flexible rack mount configurations. HP has incorporated a new breakthrough LGMR (Laser Guided Magnetic Recording) system in its SDLT600 drives. This remarkable technology enables the drive to store more volume of data onto the SDLT2 media tape. In addition, the innovative bucking system helps stabilize the tape movement, thus reducing media deterioration and ensuring consistent performance.

SDLT600 drives feature the ability to retrieve stored data files from SDLT 1 tapes. So the SDLT1 customers can take advantage of their previous backup data and create fresh copies of their current data with the new SDLT 2 tapes. 183700, 09W085 and SDLT1-320 are the part numbers of other famous SDLT-1 tapes designed by Maxell, Dell and Sony.

HP has developed a thinner base film with an improved magnetic particle density. As a result, the compact HP SDLT2 cartridge can efficiently pack higher data amount and ensures consistency even under repeated duty cycles. SDLT600 drive writes data onto the tape at an impressive rate of 36/72 Mbps. Therefore, backup operations in data-intensive IT centers can be efficiently completed within a shorter time span, whereas the demands of modern enterprise applications can also be met with superior reliability.

Thanks to the incorporation of write-once read-many W.O.R.M functionality, the HP SDLT2 customers can meet their regulatory compliance demands and secure their sensitive organizational data. The front panel of the internal SDLT600 drive has been intelligently designed to improve the airflow across the head-producing components. So the drive can perform its storage/retrieval tasks without compromising on reliability and performance.

Article Source:

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Article Keywords:

SDLT 1 tapes, SDLT2 tape, C7972A, Q2020A, C8011A, AIT-3 tape, Travan TR-5 tape, dlt-4, SDLT-2 tape, LTO5, lto2 media, HP lto5 tape, C7975A, DAT-320 tape, HP backup tapes

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