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Protection, security and fast access to the diverse data is challenging in today's internet-drive market. Constrained budgets, unpredictable data growth and advanced time-critical applications amplify these data management challenges. DDS (Digital Data Storage) tape storage system was engineered to deliver a reliable and low-cost solution to these data protection objectives, while simplifying your IT environment and protecting the investment. In addition, the scalable generations of DDS, featuring backward compatibility, allow customers to extend their business operations and improve the performance.

The technical leader in backup industry, HP Hewlett-Packard, co-invented this cutting-edge DDS format. That is why the SMB customers prefer HP-branded DDS products that provide rock solid reliability and unmatched cost-effectiveness. HP DDS6 is an excellent tape-based system that ensures medium & small businesses manage their data security objectives and high-volume backup demands without sacrificing their budget and increasing the infrastructure complexity.

HP's multiple DDS6 drive units and durable C8011A, DDS6 cartridge combines low ownership cost and reliable data security with consistent un-attended backup performance. DDS6 cartridge's recording capacity with compressed data enhances to 160GB, which is twice its native capacity of 80 GB. This small cartridge offers ample capacity for your growing needs and will also help customers preserve more tapes without increasing shelf space, which is a great attraction for businesses with limited media storage space.

IT managers can choose from an exceptional variety of rack mount, table top and internal DDS6 drives that support the market-leading backup software and enterprise networks. Furthermore, HP has introduced USB 2.0 and SCSI interfaces that allow trouble-free compatibility with midrange computing systems and workgroups. Even under increased duty cycles, the HP DDS6 drives deliver the fastest speed of 13.8Mbps (compressed mode).

DDS is the world-famous technology, and the major tape media companies are offering complete range of highly durable DDS tapes. Currently we are discussing the DDS6 generations, therefore, I have listed here some of the other popular brands which are 26837 (Imation), MR-D6MQN-01 (Quantum), DGDAT160 (Sony) and 27822 (TDK).

Performance of the tape drive can degrade due to dust accumulation and lead to write/read errors. HP DDS6 drives efficiently handle this problem with their self cleaning system. So the drive can perform its operations without interruptions and achieve superior reliability from this smart HP DDS6 solution. This backup system provides you the flexibility to create copies of data from DDS5 and DDS4 systems as well. DDS6 drives have also the advantageous capability to record data onto these tapes. In this way, the investment of the DDS customers migrating to DDS-6 format will be extended and will have to add fewer tapes to their dataset.

The MTBF rating of HP DDS6 drives makes them more efficient and reliable than competing drives. MTBF rating at 12% and 100% duty cycles reaches 1,00,000 hours and 125000 hours respectively. So the organizations can maintain superior data integrity, while backing up and retrieving the stored information at a faster rate. Thanks to the remarkable durability of tape devices and the exceptional compatibility, this DDS6 system is suitable for all types of midsized and small organizations.

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