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Comparison Between the Two Midrange Backup Tape Systems AIT-5 and LTO Ultrium 3

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The management of backup operations and data security is compounded by the astounding growth in corporate databases, constrained media storage space and tight IT budgets. Furthermore, the government regulations dictate the businesses to protect and preserve their organizational data and other vital documents (customer/employee information, tax records etc.) for longer time periods. Therefore, you need to backup your data so that you can minimize the risk of threats that can erasure or corrupt these data assets. The major threats are software bugs, on-line hackers, fire, power outage and viruses.

Tape storage technology that has lived up to the expectations of SMB customers is the Advanced Intelligent Tape, in short AIT. The master-mind behind this state-of-the-art tape format is Sony. AIT format reflects Sonyâ€™s more than 5-decade experience in tape industry. Sony uses top-quality materials and tightly-controlled manufacturing processes thus providing customers long term reliability and unmatched performance.

AIT technology provides customers the benefit of smooth scalability through its broadest range of tape versions. Sonyâ€™s latest AIT5 system clearly outshines in midrange and small business segment. Sony AIT-5 is the best backup system for branch offices, small network backups and midsized data centers. The Sony SDX5-400C, AIT5 cartridge is smaller in size than its rival LTO-3 media tape. Native data recording capability of LTO-3 and AIT5 cartridge are equivalent, which is 400GB. But thanks to the AIT-5 driveâ€™s improved data compression of 2.6:1, the AIT5 tape can preserve significantly greater amount of information than LTO-3. Compressed data storage capacity of LTO3 and AIT-5 cartridge is 800GB and 1.04 TB respectively. So with the small-sized AIT-5 tape, you can enjoy higher storage capacity and accommodate the tape cartridges in a smaller physical space.

You wonâ€™t have to worry if your IT environment is complex or you have installed advanced computing systems. There is a perfect Sony AIT5 drive unit for you. The table-top and internal drive models help reduce the complexity and deliver the speed to match the high performance demands of enterprise applications. Another compelling feature of AIT-5 drives is their full compatibility (write and read) with three previous tape versions. So the AIT5 customers can use their drives to read and write data to AIT 3EX, AIT3 and AIT 4 media tapes. So the AIT tape format provides users the luxury to meet their evolving storage needs without sacrificing their previous AIT investments.

Sony AIT5 backup tapes are manufactured with a new media formulation called AME-III (Advanced Metal Evaporated), which has helped to enhance its recording density and the smoothness of tape reel. As a result, the Sony AIT 5 drives can seamlessly move the tape reel and deliver exceptional reliability at an exceptional throughput rate of 24Mbps.

Data security level can be further enhanced by taking advantage of the W.O.R.M mechanism. It protects the recorded data from being modified or erased. So the AIT-5 customers can meet their organizationâ€™s tough regulatory compliance demands, handle the pressure of increased workloads, and improve their staff productivity at the best price.

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