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Durability and Cost-Efficiency of Sony AIT-5 Tape Compared with Other Midrange LTO-3 Tape Format by Rob Miller

Article published on June 5th 2012 | Hardware

In this new era of E-commerce, you have to be very agile otherwise you would be wiped out of the competition. Your valuable operational data, client information and other sensitive documents are vulnerable to numerous threats such as unintentional over-writes, malicious data access and most commonly, viruses. Smart business enterprises backup their data, which is the ideal solution for minimizing the damage and interruption caused by such information disasters.

Medium and small business segment is growing and a rapid rate, therefore creating an attractive marketplace for the backup media manufacturers. Sonyâ€™s Advanced Intelligent tape (AIT) format has gained immense success in this segment. Its unique selling points are the multiple tape versions and unmatched compactness. The newest AIT5 version offers better performance, improved security and high-speed backups in small to midrange organizations.

Sonyâ€™s new SDX5-400C, AIT5 tape clearly outshines with superior durability, low price and small physical size. If we compare its size with rival LTO3 tape, we find that AIT5 is approximately 1/3rd in size. Native media capacity of AIT5 tape reaches 400GB, which is equivalent to LTO3 ultrium tape. The difference between these two tapes is the compressed capacity. In LTO3, the capacity doubles to 800GB. On the other hand, AIT5 tape records up to 1040 GB or 1.04 TB data. Thanks to this high storage capacity, business enterprises can deploy fewer AIT 5 tapes for backing up mission-critical systems, and most importantly, save more space.

AIT5 is a versatile backup solution the offers you the perfect combination of high-speed drives (internal, table top) and durable tape for reliable off-site storage and fast restores. The drives achieve the fastest transfer speed in their class with an impressive 24 MB per second. So the customers can efficiently manage their fast-growing operational data with advanced business applications.

AIT5 solution provides users of AIT4 and AIT3 formats advantage of backward compatibility. The data backed up on these AIT media tapes will be available, as AIT5 drives feature the capability to write/read three AIT versions that are AIT3, AIT4 and AIT 5. The small media size helps save shelf space, whereas the super fast drives ensure in-time data access. Sony incorporates new breakthrough technologies in its backup devices to deliver superior efficiency than its competitors. New dust-protective bezels help optimize the AIT 5 driveâ€™s performance. So you can confidently perform storage/retrieval tasks under un-favorable conditions and in dusty IT environments. Now regulatory compliance needs can be efficiently satisfied with this compact tape system. Itâ€™s reliable â€œwrite once, read many (WORM)â€• system does not allow users to alter or erase the backup data.

Businesses prefer to preserve their backup media resources at off-sites, which further strengthens their disaster recovery strategy. AIT5 backup tapes can be trusted for safe off-site storage as they feature a strong architecture coupled with a durable cartridge. Moreover, you can enjoy highest level of reliability as the drives are formulated to achieve 400,000 hours MTBF (Mean Time Between Failures). Maximum MTBF rating offered by rival tape-based solution is 250,000 hours.

Article Source:
http://www.articleside.com/hardware-articles/durability-and-cost-efficiency-of-sony-ait-5-tape-compared-with-other-midrange-lto-3-tape-format.htm - Article Side

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Article Keywords:
AIT-5 tape, Sony AIT5 tape, SDX5-400C, Sony AIT 5 tape, ait 4 media, ait 3 backup tapes

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