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Meet the Backup Challenges at a Low Price with Sonyâ€™s AIT2 Turbo Tape System by Rob Miller

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Backup storage system has become a crucial factor for continuity and future growth of your business enterprise. The I.T managers have to meet the challenges of tough competition in business industry, constrained financial resources, time-critical enterprise applications and demanding data retention laws. Your organizational data is vulnerable to various threats which can affect business continuity, such as software bugs, operating errors, viruses etc.

Sony, the technical leader and innovator in backup storage, has developed a high-performance solution that reduces operational cost and allows high-volume backups within a smaller physical space and shorter time period. Sonyâ€™s AIT2 turbo tape system satisfies the tough data protection requirements at the best price, and is well suited for midsized companies, workgroup backups and enterprise networks. This turbo tape format is the extended version of the industry-leading Advanced Intelligent Tape (AIT) technology.

Sony AIT2 turbo cartridge accommodates a high volume of data reaching up to an impressive 80 GB (un-compressed). Like AIT tape technology, this AIT2 turbo version also features higher compression ratio (2:1). AIT2 turbo cartridgeâ€™s compressed capacity extends to 208GB. Sony has engineered two models of AIT2 turbo tape. The difference between these models is the R-MIC (remote memory in cassette). This technology features in TAIT2-80C tape. Part number of the other tape model is TAIT280N. The R-MIC chip records critical information like usage history and directory. This information helps the drive to perform fast data searching, while accelerating the media loading/unloading. This innovative feature improves the overall performance, thus satisfying the demands for in-time data availability. SDX1-35C is the previous generation Sony AIT 1 tape that can house 35/90 GB data.

Sonyâ€™s AIT 2 turbo drives allow rack-mount configuration, and allow internal and external connectivity. That means the users can conveniently integrate these versatile AIT2 turbo drive with the most demanding and complex IT environments. Furthermore, their compact 3.5-inch design architecture helps save more space, and provides a smart solution to accommodate the increasing storage demands of space-constrained businesses. AIT2 turbo drives efficiently backup the data files at an impressive native rate of 43.2 GB per hour. So the users can enjoy superior data integrity and efficient performance with advanced enterprise applications.

The self cleaning mechanism and durable drive head contribute to the remarkable MTBF of 300,000 hours, even with duty cycles reaching up to 100 percent. The tape cartridge also plays an important role in achieving longer life expectancy. Sony has introduced an innovative and durable AME (Advanced Metal Evaporated) technology, which has improved the archival life and durability of AIT2 turbo tape to 30000 passes. So the data-intensive companies are provided a reliable and robust backup system that meets the requirements of long-term storage and improved data security.

AIT 2 drives offer unbeatable backward compatibility with three generations including AIT1, AIT-1 turbo and AIT 2 tapes. This advantageous feature connects you to the other AIT systems, and extends the investment of AIT customers upgrading to the AIT 2 turbo technology. That is why the SMBs continue to prefer the AIT technology that provides them cost-effective scalability and greater operational efficiency.

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