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Improve the Data Security of Your Workstations and Network Backups with Sony AIT-4 Media Tape Format by [Rob Miller](#)

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Advanced file management systems and commercial applications demand fast access to the diverse data types. The corporate servers and desktop computers need to store an ever-increasing volume of business critical data. So the business enterprises require high-speed and intelligent backup system to overcome such stringent challenges. Sony brought a new revolution to the backup tape industry with its innovative AIT tape format. It is the culmination of Sony's unmatched tape expertise and vast experience.

Small & medium enterprises struggling to manage the continuing data growth can count on Sony's highly compact AIT 4 media tape system. The tape drives are built on the space-efficient 3.5 inch half-height architecture, and feature external and internal models. So you can be confident of an ideal tape storage system for your data center that will maximize the ROI and ensure smooth scalability. Sony AIT 4 drives are capable of streaming data at a high rate of 24MB/second.

Sony AIT-4 has long been the most preferred backup system for data-rich workstations, networks, departmental servers and the advanced SMBs. To ensure consistent performance and exceptional read/write reliability with the AIT4 drive units, Sony engineered the SDX4200CWW, AIT4 tape. It is extremely durable and can be used for repeated load/unload cycles. AIT-4 cartridge can seamlessly record uncompressed 200GB information. An attractive feature for space-constrained businesses is that the increment in recording capacity after data compression is more than 100% (which is standard in most the competing tape formats). Compressed capacity of AIT-4 media cartridge enhances to 520GB, which is 2.6 times higher than the native data capacity. AIT 4 drives' data compression capability is 2.6 to 1.

After the immense popularity of the AIT technology, Sony introduced some new features and launched the AIT turbo tape devices. Sony's high capacity AIT-2 turbo is a reliable backup solution for growing business enterprises. The Sony AIT-2 turbo tapes are TAIT2-80C and TAIT2-80N. They feature 80/208 GB storage capacity.

Inadvertent alterations and malicious data access can tamper the data. Sony AIT4 tape system has a smart solution to this, the WORM (write once, read many) technology. Data modifications and deletions are prohibited by the WORM functionality, thus ensuring protection of the data integrity to the highest level. Sony has introduced a robust protective lubricant to improve the resistance of AIT-4 tape's base film against pollutants and harsh working conditions. So the huge volumes of data can be reliably backed up and retrieved from the AIT-4 media tapes with supreme reliability, making it a compelling tape-based solution for busy IT environments.

Sony AIT4 drives have been designed to allow faster data access and reduce media loading/unloading times, which are 44 seconds and 14 seconds respectively. Another compelling feature which makes Sony AIT-4 the most cost-efficient tape system is the backward read-compatibility extending up to the first generation AIT 1 tapes. Proven durability of Sony AIT 4 tapes (30,000 passes) allows the customers to maximize their investment and meet the long-term data protection requirements, which are enforced by the industry & government regulations.

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Frank Miller is the Marketing Manager of Backuptape and markets a [TAIT2-80N](#) and a [SDX4200CWW](#). He has vast experience in the marketing and trading industries and has been helping buyers who have the backup needs and guide clients about the technology.

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