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HP AIT-1 is an Economical Backup Tape Format

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Burden on data managers has increased immensely due to the introduction of time-critical business applications, rigid government regulations, competitive business environments, exploding data growth and budget constraints. All of these tough challenges can be efficiently met with AIT (advanced intelligent tape) format, which continues to be the most economical tape medium due to its low cost per GB. AIT tape technology is ideal for many demanding backup environments including financial organizations, SMB industry, data mining, government agencies, branch offices, and workgroups.

HPâ€™s products are robustly engineered to provide unbeatable reliability. Durability and performance of HP backup tape products far exceed the usersâ€™ expectations. HP AIT-1 tape is a smart investment, which provides superior storage efficiency and enhanced capacity of 100GB (compressed) in a small form factor. HP 157766-B11 is an internal AIT-1 tape drive, which has specifically designed for faster write/read operations at a lower cost. Additionally, HP has also designed an external AIT-1 drive, part number 157767-001, to ensure greater media choice and flexibility.

HP AIT-1 tape drive achieves higher transfer rate of 11.6 GB/hr in native mode, thus enabling the data administrators to quickly archive & store their precious data with supreme reliability. Q1997A is the part number of HP-branded AIT1 backup tape. HP Q1997A is a compact tape cartridge that provides exceptional tape stability and faster file access under heavy duty cycles. Q1997A and Q1999A are the part numbers of HP AIT-1 and HP AIT-3 tape cartridges.

MIC (memory in cassette) is an innovative technology, which has provided a 17% increase in data access speed of AIT-1 tape drives. MIC is a small built-in memory chip. Usage history and file index are stored in MIC chip. The AIT tape drive reads the MIC memory chip, which helps to speed up the media loading/unloading time and data searching process. Because of MIC technology, the HP AIT-1 tape drive provides 50% faster data access as compared to the rival backup tape formats. With HP AIT-1 tape drive, you can seamlessly access the data files with an average time period of 17 seconds.

Regular use of cleaning cartridge is a good practice, which helps to prevent dust and debris accumulation. HP Q1996A is a powerful AIT cleaning cartridge that can be used for 70 cleans. For extra protection, HP has employed a self-cleaning mechanism in its AIT-1 tape drives. AIT tape formatâ€™s roadmap offers vast storage capacities and secures your technology investment with improved scalability. HPâ€™s portfolio comprises of diverse backup tape products.

HP AIT drives and tape cartridges are designed to withstand longer life cycles and repeated tape loads/unloads. 1/3rd lesser tape tension than rival tape formats allows the HP AIT-1 tape technology to elevate the overall backup performance in high-demanding storage environments. Install the HP AIT1 technology and satisfy your data protection needs at an affordable price. Product names mentioned throughout this article are trademarks and are sole property of their owners.

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