



## Article Side

AIT-3 Tape Media cartridges Work Seamlessly with SDX-700C/BM Tape Drive by  
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Article published on January 20th 2012 | [Hardware](#)

No matter how large or small your organization is, one thing is certain that you will have to manage more amounts of data tomorrow than today. Availability and integrity of corporate data is essential for business continuity. You can efficiently meet these challenges with Sony's AIT backup tape format.

AIT (advanced intelligent tape) is a space-efficient tape medium that has been engineered by Sony. You will surely be amazed to know that size of AIT cartridge is almost 1/3rd of the competing tape technologies. Additionally, Sony has decreased the tape area and tape length of AIT cartridge by 27% and 40% respectively. Sony has significantly increased the data density which allows the small-sized AIT tape cartridges to accommodate larger amount of data.

Sony has designed a highly reliable 700C/BM internal AIT-3 tape drive that delivers excellent performance in financial organizations, desktop workstations, small businesses, mid-range computing systems and departmental servers.

Sony 700C/BM drive can record up to 100GB native data on AIT-3 tape cartridge. Capacity of Sony AIT-3 tape is twice as that of AIT-2 cartridge, which can accommodate 50GB data.

Strict data retention laws have intensified the challenges of data storage. Satisfaction of government regulations is the top priority of every organization. That is why Sony has added WORM mechanism that stores the data in a non-erasable format. Therefore the data cannot be altered or modified, which puts a stop to inadvertent over writings and common operating errors. SDX3-100C is the part number of re-writable AIT3 tape, whereas SDX3-100W AIT-3 cartridge supports WORM technology.

Sony 700C/BM drive performs cost-effective backup operations at a blazing speed of 12MB/second (native). Most compelling and powerful attribute of AIT technology is the higher compression ratio of 2.6 to 1. That means the data transfer rate will seamlessly accelerate to 31 MB/second and the data recording capacity will extend to 260 GB. Other reliable and high performance backup media formats for SMB market are RDX disk cartridge, SDLT tape, Travan TR7 tape, LTO ultrium tape, slr-140 tape, VXA tape and DDS tape.

Sony 700C/BM drive can be flexibly used with AIT-1, AIT-2 and AIT-3 backup tapes. All of these three AIT tape versions are fully write/read compatible, which ensures robust protection of your investment in previous AIT generations. Head geometry of Sony 700C/BM drive has been redesigned, which has helped to reduce tape friction and pressure on tape reel during read/write operations. As a result, the head life has been significantly enhanced to 50,000 hours along with an outstanding MTBF (mean time between failures) rating of 400000.

Sony AIT-3 tape solution is an economical choice for today's data intensive business applications. You can seamlessly install the 700C/BM drive in a broader range of complex IT environments. Sony 700C/BM drive features a built-in "super head cleaner" which contributes to the lower maintenance cost. Thanks to the super head cleaner system, the regular use of cleaning cartridge will also be reduced.

Clear and scalable AIT roadmap enables the organizations to make better plans for their data protection needs, without the fear of losing their data stored on the previous generation AIT tapes.

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Article Keywords:

AIT 3 tape, Sony AIT3, sdx3-100w, sdx3-100c, Sony backup tapes, VXA, Ito ultrium, ait cleaning cartridge, hp ait tape, ait 1, ait 2, slr-140 tape, sony ait tapes

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