SONY

This new intelligent 8mm data tape cartridge technology developed by Sony is a cost-effective, high-speed, large-capacity tape storage ideal for business data backup, such as the backup of network servers. AIT uses the Sony-exclusive AME (Advanced Metal Evaporated) tape. 230M Advanced ME Tape that enables the recording and protection of over 50GB of data. Management and retrieval of data is made possible through the use of the revolutionary use of MIC (Memory in Cassette)

SONY 50-100GB 230M AIT-2 TAPE 64KB MIC SDX250C

Features:

- AIT drives are able to store & retrieve selected information directly from the chip and use this to provide realtime benefits customer applications.
- High-energy magnetic material, small particle size, and high packing density are the keys to making a high-output/low-noise tape.
- High-output/low-noise tape characteristics enable long archival storage and a low error rate.
- Higher values in magnetic affinity translate to improved levels of recording density and recording system performance.
- Since AME tape uses no binder, its packing density is much higher than a conventional tape's, and it can be made with extremely fine particles.
- The AME magnetic layers are made of 100% cobalt material.
- The DLC (Diamond-Like Carbon) coating is 20 times tougher than a standard oxidation layer.
- The DLC (Diamond-Like Carbon) coating is a protective carbon layer that approaches the hardness of diamond.
- The information stored within the MIC consists of a combination of drive and user-generated information.
- The magnetic material is deposited in a columnar structure directly on the base film in a vacuum chamber.
- The Memory In Cassette (MIC) hardware consists of a EEPROM that is mounted within the data cartridge and includes a 5 pin interface to the drive.
- This protective layer dramatically improves abrasion resistance and overall tape durability.
- This results in a low initial error rate & extended recording life-even after repeated drive passes, output stays high & the error rate remains low.
- This structure is optimised to produce a recording surface that exhibits higher values in magnetic affinity.
- Compatible with AIT-2 & AIT-3 Drives

Specifications:

- Storage Conditions: 5-32° C
- Storage Conditions: 40-60%
- Storage Capacity: 50GB
- Base Material: PET
- Magnetic Particle: Advanced ME (100% Pure Cobalt)
- Data Transfer Rate: 3000 KB/s
- Tape Thickness: 7.0 µm
- Yield Strength: 7.0 µm
- Breaking Tensile Strength: 10.2 kgf
- Minimum Tape Length: 230m
- Operating Conditions: 5-45°C
- Operating Conditions: 20-80%