

? HOW TO CHOOSE - Storage Media



With today's ever growing data storage needs, backup technology has never been so crucial. Businesses need cost-effective, reliable data storage. Here's our How To Choose to help you decide on the best data storage for you and your business needs.

Diskettes

Ideal for storing, transferring and distributing your data from computer to computer. They are available in PC and Macintosh format and have a storage capacity of up to 1.44MB.

CD

CD-R has a recording capacity of 700MB and recording speed of up to 52x. They are write-once so ideal for storing data that cannot be erased or altered. CD-RW can be re-written up to a 1000 times and is speed compatible 4x to 10x.

DVD

DVD-R and DVD+R are write-once only DVDs designed for one-off recordings. This ensures that your data is protected as it cannot be erased or recorded over. DVD-RW and DVD+RW are re-writable over 1000 times. The difference between DVD-R/RW and DVD+R/RW is the formatting and the software used to record the data meaning that the speed at which they record is different. DVD-R/RW records at 2x and 4x and DVD+R/RW records at 2.4x speed. They all have a recording capacity of 4.7GB.

DVD-RAM

There are two types of DVD-RAM: Type I is double sided disk that cannot be removed from the cartridge. It's available in 5.2GB and 9.4GB.

Type II is a single sided disk that is available in 2.6GB and 4.7GB and can be removed from the cartridge. Both are re-recordable at 100,000 times. DVD disks store an average of 7 times more data than CDs.

USB Flash Drives

Flash Drives are currently available up to 8GB. With an ultra-fast USB 2.0 connection, it's the quick and easy way to share business presentations, digital photos and videos, or other large files. The easy to use, plug-and-play format enables you to drag and drop files and transfer data on any computer with a USB 1.1 or 2.0 port. You can fill a 1GB Flash drive with hundreds of photos, documents, and MP3s in just 32 seconds.....using a USB 2.0 port, and USB 2.0 flash drive.

Memory Cards.

Memory cards come in a variety of formats and are primarily used in digital cameras to store images for easy transfer to a PC. Formats available are Secure Digital (SD), Smart Media (SM), Compact Flash (CF) and XD. Available capacity is currently up to 4GB.

Memory Stick

Memory Stick is the perfect medium for storing and transferring large amounts of digital information, offering compact size and a wide range of capacities up to 4GB. For an even larger capacity use Memory Stick Pro, or the fast read/write data transfer speed of Pro "High Speed". The even smaller Memory Stick Duo is great for applications such as mobile phones or the range of Sony digital cameras.

High Capacity



4mm and 8mm data cartridges.

Designed for high capacity network backup and are available up to 72GB.

AIT Data Cartridges

AIT (Advanced Intelligent Tape) -the latest storage tape technology. AITs are designed for high-performance, high capacity data storage needs. They have a storage capacity of up to 500GB native and 1.3TB compressed. AIT tapes, DLT tapes & LTO Ultrium tapes are more and more dedicated to automated systems. Pre-labelled data storage tapes are made to identify your media, avoid mix-ups and limit unintended overwriting of data in automated systems. Correctly labelled tapes allow error checking and easy and fast access to files. Without labels, such capabilities would need to be handled manually: this is time consuming and error-prone. For more information about our labelling service please contact your account manager today.

Cleaning Cartridges

Because tape is removable, tape drive components are vulnerable and sensitive to contaminants in the environment. Small amounts of debris can literally be blown into the tape path by circulating air. Metal particle tapes can also deposit 'brown stain' on the recording heads. When this happens, error rates increase and backups take longer, because the tape drive has to keep rewinding and rewriting every time it encounters an error.

DLT and Super DLT

Provide high reliability with high capacity. DLTs have a storage capacity of up to 80GB compressed and Super DLTs of up to 320MB compressed. They are ideal for use in the DLT tape drive system used for network server and high-end computer data storage and backup.

LTO Ultrium

LTO- Linear Tape Open- is an "open format" technology. This means that users will have multiple sources of product and media making LTO ideal for backing up, restoring and archive operations. LTO Ultrium 1 has a high storage capacity of up to 100GB native, 200GB compressed and LTO Ultrium 2 has a massive storage capacity of 200GB native and 400GB compressed. LTO Ultrium 3 has storage capacity of 800GB compressed.

Blu-ray Disc

Blu-ray is the latest optical media, following on from CDR & DVD and designed to support Sony's HD TV with 490,000 colour pixels. It has the capacity of 10 DVD's and can download data at 36mb/s. The 2nd generation is now out giving up to 100GB storage on the dual layered version. LTO4 has a storage capacity of up to 1.6TB Compressed.