



about

TAPE TECHNOLOGY

CAPACITY

Tape's capacity is unrivaled.



Fujifilm's LTO Ultrium 6, holds 2.5TB of uncompressed data. That's equivalent to 420 full length DVD movies!

In 2014, Fujifilm will produce worldwide approximately 31 billion feet of tape, equaling 5.8 million miles – enough to wrap around the globe 236 times or make 12 roundtrips between the earth and the moon.

12x



1951

An open reel tape held 9 tracks and 200MB of information.



2013

A T10K D cartridge holds 4,608 tracks and 8,500 GB of information – equivalent to 43 tracks on a single strand of hair.



RELIABILITY

Tape is by far the most reliable storage media available.



or



If measuring time to potential read/write error, with Hard Disk Drive, it's 24 minutes to 40 hours; vs. with Enterprise Tape, it's more than 30 years, or 276,000 hours.

PORTABILITY

Tape's portability is key in disaster recovery.



or



To transfer 2 petabytes out of a cloud to a local disk array, it would take 77 days, with 2.4 Gbit/s dedicated vs. just one overnight delivery of tape, equaling 185 Gbit/s.

TRANSFER RATE

Tape is fast.



The first marketed tape drive in 1952 was 56 times faster than punch cards and could hold the equivalent of 35,000 punch cards.



In 1952, tape transferred 1.5 characters/sec, and in 2014, tape now transfers 125,000 pages per sec.

ARCHIVABILITY

Tape has strong staying power.

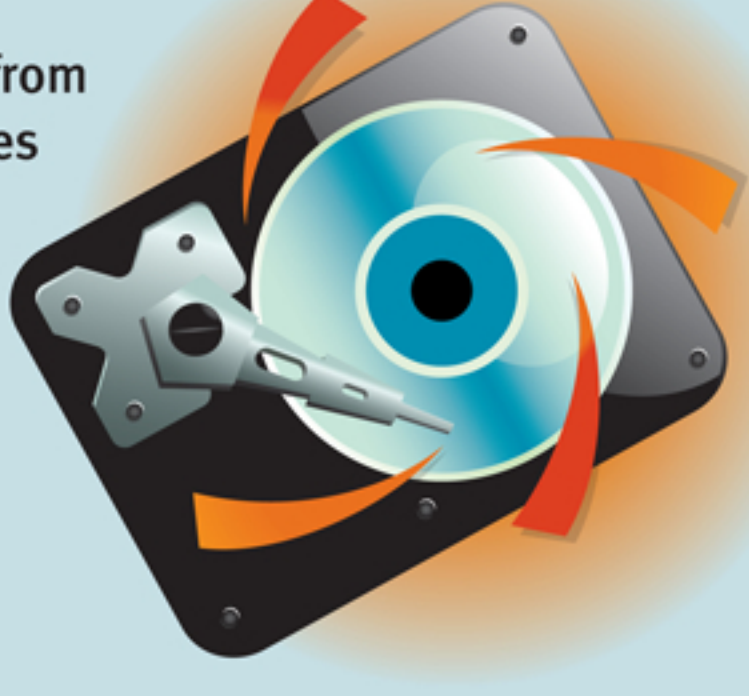


The long-term archivability of tape with Barium-Ferrite (BaFe) particle was proved by Fujifilm to be reliable for more than 30 years.

ENERGY

Tape is the greenest form of storage.

Hard Disk Drive storage from 1 petabyte to 28 petabytes in 9 years will consume 105 times more energy than tape – costing \$5M vs \$50K.



SCALABILITY

Tape is flexible and can easily scale for growing storage needs.



Tape can scale from four slots and 34 terabytes in a rack mountable unit – to 101,000 slots and 858 petabytes in a single library.



Connect 32 libraries and get 67 exabytes of storage!