

IBM

Why Buy IBM LTO Media?



Specifications

IBM Media is built to rigorous IBM specifications.

- As an example, IBM Media undergoes **Environmental Durability Tests** at all “five corners” of the Temperature/ Humidity extremes.
- **Commonality of format does not imply commoditization.** LTO Consortium Certification is not a statement of quality. Certification only promises interchangeability and capacity specification at a minimum quality.
- **IBM Media is used as the Master Standard Reference Tape** at the Measurement Assurance Corporation, the third party that performs Compliance testing for the LTO consortium. The Master Standard Reference Tape is the tape media that all other vendors are compared against. **Being chosen as the MSRT is an indication of predictability and consistency from cartridge to cartridge** so that the standard does not change. IBM has been the MSRT supplier for all four LTO generations.

IBM Media is designed for increased reliability, performance, stability and durability.

IBM Media and IBM Drives are designed and developed together.

- IBM LTO tape drives' tape head employ the **patented Magneto Resistive flat lapped head design**. This design helps reduce tape wear by decreasing the tape to head contact found in typical tape drives. This head design helps improve performance, accuracy and reliability of reads and writes and helps to reduce tape media and drive head wear.
- With IBM's **patented surface control guiding system** edge wear is not a worry in guiding the tape. This allows for less debris generation and increased performance.
- **Grooved Roller Surface Control Guiding**, helps to stabilize the lateral movement of tape across the head, reducing the amount of re-reads or writes that might occur if the tape path weren't so stable.

The benefits of mutual development and tuning

- IBM designs and manufactures its LTO drives to a narrow quality range (the IBM Tuning point) within the much wider range of the standard LTO specifications.

Warranty Definition and Term

IBM provides a (5) year limited lifetime warranty beginning on the day of purchase. Many other vendors' media warranty begins on the day of manufacture.

Support Included

On those rare occasions where there are problems involving IBM Media and the associated tape hardware, IBM owns the problem resolution. There is no time lost in coordinating responses or assigning responsibility. IBM assumes complete end to end ownership for problem resolution.

- IBM's Media Recovery Services are second to none. There are occasions when something happens to the cartridge, often physical damage due to mishandling, and the data needs to be recovered. IBM's lab personnel have extensive experience in performing data recovery.

Compatibility	LTO Gen 5 Cartridge	LTO Gen 4 Cartridge	LTO Gen 3 Cartridge	LTO Gen 2 Cartridge	LTO Gen 1 Cartridge
	1.5TB/3.0TB	800GB/1.6TB	400/800GB	200/400GB	100/200GB
	46X1290 46X6666	96P4436 95P4437	24R1922 96P1470	08L9870 19P5887	08L9120 08L9211
LTO Gen 5 Drive	Read & Write	Read & Write	Read only		
LTO Gen 4 Drive		Read & Write	Read & Write	Read only	
LTO Gen 3 Drive			Read & Write	Read & Write	Read only
LTO Gen 2 Drive				Read & Write	Read & Write
LTO Gen 1 Drive					Read & Write

Universal Cleaning Cartridge functions in all drives - 35L2086 & 35L2087