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# ULTRIUM LTO 5 Tape Cartridges





TDK Life on Record

## ULTRIUM LTO 5 Tape Cartridges

As the demand for increased storage continues to grow, TDK Life on Record is committed to providing cutting-edge data backup solutions.

TDK cartridges are manufactured and thoroughly tested to ensure they function as seamless extensions of your organization's data network. Formulations and advanced manufacturing technologies ensure stable head contact for increased data transfer rates and the preservation of your organization's critical data.

A single LTO 5 tape cartridge features 1.5 terabytes of native capacity and 3.0 terabytes of compressed capacity with data transfer rates of 280MB/second (2:1 compression).

## LTO Generation 5 Advantages

### 1. PARTITIONING

Allows users to quickly determine what's on the tape by indexing data.

### 2. ADVANCED SECURITY

Hardware based 256-bit AES encryption.

### 3. IMPROVED PERFORMANCE

1.5TB native capacity  
3.0TB compressed capacity  
280MB/sec transfer rate

## Specifications - Variable Characteristics

	LTO1	LTO2	LTO3	LTO4	<b>LTO5</b>
Tape Length	609m	609m	680m	820m	<b>846m</b>
Tape Thickness	8.9µm	8.9µm	8.0µm	6.6µm	<b>6.4µm</b>
No. Data Tracks	384	512	704	896	<b>1280</b>
Capacity (nat)	100GB	200GB	400GB	800GB	<b>1.5TB</b>
Capacity (comp)	200GB	400GB	800GB	1.6TB	<b>3.0TB</b>
Data Trans. Rate (compressed)	40MB/sec	80MB/sec	160MB/sec	240MB/sec	<b>280MB/sec</b>
Cartridge Color	Black	Purple	Blue-Gray	Teal	<b>Brick Red</b>

## PARTITIONING

Now available in Ultrium LTO 5 tape cartridges is a new partitioning functionality which allows users to see what information is stored on the tape. This feature enables nearline applications to index data and allows for faster search results via enhanced file control and space management, addressing the growing needs of the marketplace.

- Partitioning is the logical & physical division of the tape into segments
- Currently 2 partition modes are supported
  - One (1) partition – Full Tape
  - Two (2) partitions – Variable size for each partition
- Encryption is Supported

### Partitioning Benefits

- Allows the user to determine what's on the tape, allowing for faster searches
- Alleviates the need to spool through the entire tape cartridge to identify contents



## ADVANCED SECURITY

The Ultrium LTO 5 cartridge is the second generation to offer drive level hardware-based writing of encrypted data to the tape, helping protect the storage and transport of sensitive information. Available in WORM (Write-Once, Read-Many).

## Ultrium System Migration Path

	LTO1	LTO2	LTO3	LTO4	<b>LTO5</b>	LTO6
Native Capacity	100GB	200GB	400GB	800GB	<b>1.5TB</b>	3.2TB
Compressed Capacity	200GB	400GB	800GB	1.6TB	<b>3.0TB</b>	6.4TB
Transfer Rate Up To	40MB/sec	80MB/sec	160MB/sec	240MB/sec	<b>280MB/sec</b>	560MB/sec

## For More Information

To learn how TDK Life on Record Ultrium LTO Tape Cartridges deliver outstanding performance with terabyte capacity in your data center, contact your Imation sales representative or visit [www.tdk-media.com](http://www.tdk-media.com).

To view our complete line of data storage products, visit the TDK Life on Record website at [www.tdk-media.com](http://www.tdk-media.com).

## Ordering Information - 20/box

UPC	Description
61857	LTO5 1.5TB/3.0TB thermoform with case
61894	LTO5 1.5TB/3.0TB thermoform without case
61859	LTO5 1.5TB/3.0TB thermoform labeled with case
61889	LTO5 1.5TB/3.0TB thermoform labeled without case
61857	LTO5 1.5TB/3.0TB corrugated with case
61859	LTO5 1.5TB/3.0TB corrugated labeled with case
61888	LTO5 1.5TB/3.0TB WORM corrugated with case
61887	LTO5 1.5TB/3.0TB WORM corrugated labeled with case



