



FUJIFILM LTO Ultrium 8 is the intelligent choice for a smart world and the expanding datasphere. LTO 8 delivers impressive storage capacity of 12.0/30.0TB native/compressed, unrivaled reliability and rock-solid air gap security. Use less energy, store more data, and get more done with the next generation of our data tape. ^



## Material Numbers

LTO-8: 16551221

LTO-8 BC: 81110001585

LTO-8 LIB: 16567799

LTO-8 LIB BC: 81110001586

LTO-8 WORM: 16551233

## Expand Your Capacity

Fujifilm's Barium Ferrite technology has enabled LTO Ultrium 8 to achieve a native/compressed capacity of 12.0/30.0TB\* by recording 6,656 data tracks within 12.65mm tape width. With the utilization of multi-channel recording technology, LTO 8 features native/compressed transfer rates of up to 360/750MB\* per second.

## Specifications

|                                 |                                     |   |                              |                               |
|---------------------------------|-------------------------------------|---|------------------------------|-------------------------------|
| <b>BASIC SPECIFICATIONS</b>     | Capacity (Native / Compressed)      | 12.0/30.0TB*  |                              |                               |
|                                 | Transfer Rate (Native / Compressed) | Up to 360MB/sec./Up to 750MB*/sec                                   |                              |                               |
|                                 | Number of Tracks                    | 6,656   |                              |                               |
|                                 | Tape Width                          | 12.65mm   |                              |                               |
| <b>PHYSICAL CHARACTERISTICS</b> | Tape Thickness                      | 5.6µm   |                              |                               |
|                                 | Tape Length                         | 960m  |                              |                               |
|                                 | Cartridge Dimensions                | 21.5(l) x 105.4(w) x 102.0mm(h) (0.85" x 4.15" x 4.02") [L x W x H] |                              |                               |
| <b>ENVIRONMENTAL CONDITIONS</b> |                                     | <b>Operating Environment**</b>                                      | <b>Storage Environment**</b> | <b>Archival Environment**</b> |
|                                 | Temperature                         | 10°C to 45°C  | 16°C to 35°C                 | 16°C to 25°C                  |
|                                 | Relative Humidity                   | 10% to 80%  | 20% to 80%                   | 20% to 50%                    |
|                                 | Wet Bulb Temp.                      | 26°C max  | 26°C max                     | 26°C max                      |

\*Assumes 2.5:1 data compression. Transfer rate is drive dependent.

\*\*Local tape temperature in excess of 52°C may cause permanent tape damage

## LTO Ultrium Tape Drive Compatibility Chart

| Cartridge        | Drive          |                |                 |                 |                 |                 |                 |                 |
|------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                  | Ultrium 1      | Ultrium 2      | Ultrium 3       | Ultrium 4       | Ultrium 5       | Ultrium 6       | Ultrium 7       | Ultrium 8       |
| Ultrium 1        | Read/Write     | Read/Write     | Read Only       | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  |
| Ultrium 2        | Not Compatible | Read/Write     | Read/Write      | Read Only       | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  |
| Ultrium 3        | Not Compatible | Not Compatible | Read/Write      | Read/Write      | Read Only       | Not Compatible  | Not Compatible  | Not Compatible  |
| Ultrium 3 WORM   | Not Compatible | Not Compatible | Read/Write Once | Read/Write Once | Read Only       | Not Compatible  | Not Compatible  | Not Compatible  |
| Ultrium 4        | Not Compatible | Not Compatible | Not Compatible  | Read/Write      | Read/Write      | Read Only       | Not Compatible  | Not Compatible  |
| Ultrium 4 WORM   | Not Compatible | Not Compatible | Not Compatible  | Read/Write Once | Read/Write Once | Read Only       | Not Compatible  | Not Compatible  |
| Ultrium 5        | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Read/Write      | Read/Write      | Read Only       | Not Compatible  |
| Ultrium 5 WORM   | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Read/Write Once | Read/Write Once | Read Only       | Not Compatible  |
| Ultrium 6        | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write      | Read/Write      | Not Compatible  |
| Ultrium 6 WORM   | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write Once | Read/Write Once | Not Compatible  |
| Ultrium 7        | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write      | Read/Write      |
| Ultrium 7 Type-M | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write      |
| Ultrium 7 WORM   | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write Once | Read/Write Once |
| Ultrium 8        | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write      |
| Ultrium 8 WORM   | Not Compatible | Not Compatible | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Not Compatible  | Read/Write Once |
| Ultrium UCC*     | Compatible     | Compatible     | Compatible      | Compatible      | Compatible      | Compatible      | Compatible      | Compatible      |

\*UCC = Universal Cleaning Cartridge

**More Data Storage Solutions @ Fujifilm insights.com**

fujifilmusa.com/datastorage

FUJIFILM, VALUE FROM INNOVATION and the BARIUM FERRITE logo are trademarks of FUJIFILM Corporation and its affiliates.

LINEAR TAPE-OPEN, LTO, the LTO logo, ULTRIUM, and the ULTRIUM logo are registered trademarks of HPE, IBM and Quantum in the U.S. and other countries. © 2019 FUJIFILM Recording Media U.S.A., Inc. All Rights Reserved.

Authorized Distributor:

**DISK-O-TAPE, INC.**

23775 Mercantile Road Cleveland, Ohio 44122-5917

216-765-8273 • 800-932-8273 • www.disk-o-tape.com



Fujifilm's LTO Ultrium Universal Cleaning Cartridge is designed for use with all Ultrium 1-8 tape drives.