

New features for IBM tape offerings deliver support for mixed media configurations on TS4500 and an LTO 7 5-pack data cartridge option

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At a glance

Media feature number 8706 delivers a 5-pack of IBM^(R) Ultrium™ 7 tape cartridge and five unattached loose labels.

Feature number 1604, LTO™ Library Managed Encryption, is enabled in 3584-L25 library frames to allow mixed media configurations.

Overview

IBM Ultrium 7 tape cartridges have a physical capacity of up to 15 TB with 2.5 to 1 compression, and up to 6 TB native capacity. These cartridges can be used in IBM System Storage^(R) Ultrium 7 tape drives, the seventh generation of LTO Ultrium tape drives in the IBM System Storage LTO Ultrium family of products.

Encryption

Feature number 1604 (LTO Library Managed Encryption) is enabled in 3584-L25 library frames to enable a mixed media configuration environment.

Key prerequisites

If the library contains LTO tape drives, the following prerequisites apply:

- Tape drives must be enabled for encryption from the Logical Libraries page of the TS4500 management GUI
- Feature number 1604, Transparent LTO Encryption, is required for LTO tape drives if using library-managed encryption (LME)
- IBM Security Key Lifecycle Manager is required as the key manager when using LME with LTO

Ultrium 7 tape cartridges must be used with Ultrium 7 LTO tape drives or future generations.

Planned availability date

April 10, 2018

Description

Ultrium 7 tape cartridges have a physical capacity of up to 15 TB with 2.5 to 1 compression for up to 6 TB native capacity, and can be used in seventh-generation Ultrium 7 tape drives.

These cartridges have been designed to provide several enhancements over previous tape technologies. They are designed to work with tape drives for increased tape speeds and high-density data recording. The case is specially designed for use in automated libraries and in environments with repeated, unattended handling. The tape itself is a Barium ferrite particle tape developed for durability and capacity.

Features of Ultrium 7 data cartridges include:

- Up to 6 TB native capacity in a single, compact cartridge
- Up to 16320 bytes cartridge memory built into every data cartridge for enhanced functionality and media reliability by storing access history and media performance information for use by the tape drive every time the cartridge is accessed
- Media feature number 8706 with a 5-pack of Ultrium 7 tape cartridges and five unattached loose labels

Note: For optimum reliability, use IBM Ultrium 7 tape cartridges which conform to IBM specifications.

Additional product information and deliverables can be found on the [IBM TotalStorage Storage Media](#) website.

Encryption

Feature number 1604, LTO Library Managed Encryption, is enabled in 3584-L25 library frames to deliver support for mixed media configurations.

Product number

The following are newly announced features on the specified models of IBM System Storage 3572, 3580, and 3584 machine types:

Description	Machine type	Model	Feature
Ultrium 7 Data Cartridge (5-pack)	3572	S7H	8706
Ultrium 7 Data Cartridge (5-pack)	3580	H7S	8706
LTO Lib Managed Encryption	3584	L25	1604

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld^(R) ID and password are required (use IBMid).

[BP Attachment for Announcement Letter 118-004](#)

Publications

No publications are shipped with the announced products.

To access the IBM Publications Center Portal, go to the [IBM Publications Center](#) website.

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. A large number of publications are available online in various file formats, which can currently be downloaded.

Services

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For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or go to the [Resiliency Services](#) website.

Details on education offerings related to specific products can be found on the [IBM authorized training](#) website.

Technical information

Specified operating environment

Compatibility

LTO Ultrium 7 tape drives can read and write IBM LTO Ultrium 6 or 7 data cartridges, and read IBM LTO Ultrium 5 data cartridges.

LTO Ultrium 7 tape drives support the LTO Generation 7 media specification.

Planning information

Cable orders

No cables required.

Security, auditability, and control

This product uses the security and auditability features of host hardware, host software, and application software to which is attached.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

IBM Systems Lab Services

For details on available services, contact your IBM representative or go to the [Lab Services](#) website.

Terms and conditions

MES discount applicable

No

Field installable feature

Yes

Warranty period

Feature number 8706: This product is provided with a limited lifetime warranty. It is warranted against manufacturing and materials defects for the useful life of the product. No extended warranty services are available for this offering.

Feature number 1604: One year

To obtain copies of the IBM Statement of Limited Warranty, contact your reseller or IBM. An IBM part or feature installed during the initial installation of an IBM machine is subject to the full warranty period specified by IBM. An IBM part or feature that replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature are the same as those for the machine in which it is installed.

Customer setup

Yes

Machine code

Same license terms and conditions as base machine

Prices

The following are newly announced features on the specified models of the IBM System Storage 3572 machine type:

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
Ultrium 7 Data	S7H	8706	Initial	Yes	No

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
Cartridge (5-pack)					

The following are newly announced features on the specified models of the IBM System Storage 3580 machine type:

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
Ultrium 7 Data Cartridge (5-pack)	H7S	8706	Both	Yes	No

The following are newly announced features on the specified models of the IBM System Storage 3584 machine type:

Description	Model number	Feature numbers	Initial / MES / Both / Support	CSU	RP MES
LTO Lib Managed Encryption	L25	1604	Both	Yes	No

CSU = Customer setup

RP MES = Returnable parts MES

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