

IBM 7226 Model 1U3 Multi-Media Enclosure adds IBM LTO Ultrium 8 tape drive features for increased capacity and performance

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At a glance

IBM^(R) Storage offers the new Half-high Linear Tape-OpenTM 8 (HH LTOTM 8) higher capacity tape drive features to the list of LTO tape, RDX, and DVD storage options. The HHLTO8 tape drive features offer twice the capacity of the Half-high LTO7 (HHLTO7) tape drives currently available on the IBM 7226 Model 1U3 Multi-Media Enclosure.

The 7226 attaches to IBM POWER6^(R), POWER7^(R), and POWER8^(R) servers, IBM PureFlex^(R) systems, IBM BladeCenter models, and to Linux^(R) and MicrosoftTM WindowsTM OEM systems.

Overview

IBM 7226 Model 1U3 Multi-Media Enclosure delivers external tape, removable disk drive, and DVD-RAM drive options intended to enable the storage, retrieval, and archival of critical business, technical, and scientific data in computer hardware facilities. The 7226 offers an expansive list of drive feature options.

The IBM 7226 Enclosure can accommodate up to two tape drives, two RDX removable disk drive docking stations, or up to four DVD-RAM drives.

Model 1U3 attaches to most IBM POWER6, POWER7, POWER8, IBM PureFlex systems, IBM POWER^(R), and BladeCenters, and to systems running Linux and Microsoft Windows.

The following LTO tape drive, DVD-RAM drive, and RDX removable storage device features are supported on the 7226:

- **Tape drive features:** Half-high LTO5 (HHLTO5), Half-high LTO6 (HHLTO6), HHLTO7, and HHLTO8 tape drives with Serial Attach SCSI (SAS) and Fiber Channel (FC) electronic interface options.
- **DVD-RAM features:** DVD-RAM drives with SATA/SAS and USB electronic interface options.
- **RDX3 removable disk drive features:** Removable hard disk capacity options include a 500 GB, 1 TB, and 2 TB, and attach to any available USB3 internal port.

These SAS, FC, and USB device features may be installed in the IBM 7226 dual-bay storage enclosure in any combination, and are supported on IBM POWER AIX^(R),

IBM i, and Linux operation systems. The 7226 is also compatible with most OEM operating systems running Linux or Microsoft Windows.

Key prerequisites

Mandatory software

IBM 7226 Multi-Media Enclosure is compatible with most IBM POWER6, POWER7, and POWER8 systems, as well as IBM BladeCenter models (PS700, PS701, PS702, PS703, and PS704) and IBM PureFlex systems that offer current level AIX, IBMi, and LINUX operating systems.

System support of IBM 7226 features

IBM POWER Systems support all SAS, USB, and FC tape drives, DVD-RAM, and RDX removable drive features on the 7226.

IBM BladeCenters support DAT160, HHLTO5, HHLTO6, HHLTO7, and HHLTO8 SAS tape drive features, and also support attachment of RDX removable drive features on the 7226. BladeCenters do not support DVD-RAM device or LTO FC tape drive attachment.

IBM PureFlex systems support attachment of HHLTO5, HHLTO6, HHLTO7, and HHLTO8 FC tape drive features, DVD-RAM USB drive features, and RDX removable drive features. PureFlex systems do not support SAS tape drives and DVD-RAM devices.

For a complete list of host software versions and release levels that support the 7226, go to the [IBM System Storage^{\(R\)} Interoperation Center \(SSIC\)](#) website.

Note: All new IBM tape device drivers will be posted to the web through the [Fix Central](#) download portal. IBM maintains the latest levels of Storage tape drive and library device drivers and documentation on the Internet.

Planned availability date

December 8, 2017

Description

IBM Storage offers the HH LTO 8 higher capacity tape drive features to the list of LTO tape, RDX, and DVD storage options. The HHLTO8 tape drive features offer double the capacity of the HHLTO7 tape drives currently available on the IBM 7226 Model 1U3 Multi-Media Enclosure.

Model 1U3 attaches to most IBM POWER systems, IBM Blade servers, IBM BladeCenter models, and IBM PureFlex systems.

The following LTO tape drive, DVD-RAM drive, and RDX removable storage device features are supported on the 7226:

- **Tape drive features:** HHLTO5, HHLTO6, HHLTO7, and HHLTO8 tape drives with SAS and FC electronic interface options.
- **DVD-RAM features:** DVD-RAM drives with SATA/SAS and USB electronic interface options.
- **RDX3 removable disk drive features:** Removable hard disk capacity options include a 500 GB, 1 TB, and 2 TB, and attach to any available USB3 internal port.

These SAS, FC, and USB device features may be installed in the IBM 7226 dual-bay storage enclosure in any combination, and are supported on IBM POWER AIX, IBM i,

and Linux operation systems. The 7226 is also compatible with most OEM operating systems running Linux or Microsoft Windows.

The IBM 7226 Quad Cable feature allows the attachment of up to four SAS devices to a single POWER system HBA port, and provides easy implementation of multiple 7226 storage enclosures on one or more POWER systems.

Product number

Description	Machine type	Model	Feature number
HHLTO8 SAS Tape Drive	7226	1U3	8541
HHLTO8 FC Tape Drive	7226	1U3	8546
Ultrium™ 7 Data Cartridge (5-Pack)	7226	1U3	8706

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 ID and password are required (use IBMid).

[BP Attachment for Announcement Letter 117-075](#)

Publications

The following publications are shipped with the product. Additional copies will be available after planned availability.

Title	Order number	Part number
<i>7226 Model 1U3 Multi-Media Enclosure Setup, Operator and Service Guide (English)</i>	SA23-2271-11	46C2673

A CD containing multiple language translations.

- *7226 Model 1U3 Multi-Media Enclosure Setup, Operator and Service Guide (English)*
- 7226 Safety Information
- 7226 Warranty Information

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

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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

Software requirements

The 7226 Storage Enclosure is supported on AIX, IBM i, and Linux operating systems. VIOS 2.2 is required when attaching to IBM PureFlex systems using the IBM i operating system.

For a complete list of host software versions and release levels that support the 7226, go to the [IBM SSIC](#) website.

Planning information

Cable orders

SAS cables: At least one SAS external cable will be provided with each tape or DVD-RAM drive specified on the IBM 7226 Multi-Media Enclosure. Each SAS device attaches to a separate IBM POWER system or BladeCenter SAS HBA port; POWER6 and POWER7 feature numbers 5278, 5901, and 5912, POWER8 feature numbers EJ10, EJ11, and EL10, BladeCenter feature number 8246. IBM PureFlex systems do not support SAS devices.

If the availability of IBM Power^(R) System SAS HBA ports are limited, a Quad External SAS Cable may be ordered by specifying feature number 5544. The Quad External SAS Cable enables the attachment of up to four SAS tape or DVD-RAM drive devices to a single POWER server. BladeCenters do not support the quad cable feature.

FC cables: One FC external cable will be provided with each HHLTO5, HHLTO6, HHLTO7, and HHLTO8 tape drive specified on the IBM 7226 Multi-Media Enclosure. Each LTO tape drive attaches to a separate FC HBA port (HBA features #5273 or

#5276 on POWER6 and POWER7 systems; feature #5729, #5735, #5774, #EL2N, and #ENOA on POWER8; feature #1764 on the IBM PureFlex server).

USB cables: One USB external cable will be provided with each USB drive or RDX docking station specified on the IBM 7226 Multi-Media Enclosure. Each USB device attaches to a separate IBM System USB port. USB device features on 7226 are supported for attachment to the internal USB ports on IBM POWER, IBM BladeCenters, and PureFlex systems. POWER systems also offer an external USB HBA (feature #2728 on POWER6 and POWER7 systems; feature #EC45 and EC46 on POWER8 systems).

See the **Hardware Requirements** section for individual drive and cabling requirements. Customers are advised to use only the cables provided by IBM.

Security, auditability, and control

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

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To learn how Electronic Services can work for you, go to the [IBM Electronic Support](#) website.

Terms and conditions

MES discount applicable

Equal to the volume commitment discount

Field installable feature

Yes

Warranty period

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

Optional features warranty period

- Optional features

Prices

Description	Machine type	Model	Feature number
HHLTO8 SAS Tape Drive	7226	1U3	8541
HHLTO8 FC Tape Drive	7226	1U3	8546
Ultrium 7 Data Cartridge (5-Pack)	7226	1U3	8706

Feature number	Install type*	MES removal	Cables required	CSU
8541	Both	N	Y	Y
8546	Both	N	Y	Y
8706	Both	N	Y	Y

*Install type:

- "Plant" denotes plant installation only
- "Field" denotes field installation only
- "Both" denotes both plant and field installation

CSU = Customer setup

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