



IBM 7226 Model 1U3 offers new Half-high LTO Ultrium 7 tape drive features to simplify data transfer options with increased storage and compatability

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At a glance

IBM^(R) Storage offers the new Half-high Linear Tape-OpenTM 7 (LTO7) higher capacity tape drive features to the list of LTOTM tape, RDX, and DVD storage options. The Half-high LTO7 tape drive features offer over twice the capacity of the Half-high LTO6 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 PureFlexTM systems, IBM BladeCenter models, and to LinuxTM and WindowsTM OEM systems.

Overview

IBM 7226 Model 1U3 Multi-Media Enclosure delivers external tape, removable disk drive, and DVD-RAM drive options that enable data transfer within storage and retrieval technologies installed 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 specific IBM POWER6, IBM POWER7, IBM POWER8, IBM PureFlex systems, IBM POWER^(R), BladeCenters, and to Linux and Windows OEM systems.

The following features are included on the 7226:

- Half-high LTO5 (HHLTO5), Half-high LTO6 (HHLTO6), and HHLTO7 tape drives, Serial Attach SCSI (SAS) half-high tape drives, and DVD-RAM SATA/SAS features in the IBM 7226 may attach individually to an external SAS host bus adapter (HBA) on a POWER server or IBM BladeCenter.
- HHLTO5, HHLTO6, and HHLTO7 Fibre Channel (FC) Tape Drive features attach to select IBM POWER7 and POWER8 systems and to IBM PureFlex Blade servers through an external FC HBA POWER6, POWER7 and POWER8 system.
- USB RDX3 removable disk drives, including the new 2.0 TB RDX, in the 7226 may attach to an internal USB port on IBM POWER6, POWER7, POWER8, and IBM PureFlex systems, or on IBM BladeCenters.
- DVD-RAM devices in the 7226 may attach to IBM POWER6, POWER7, and POWER8 systems.

- SAS, FC, and USB device features in the 7226 storage enclosure are supported on AIX^(R), IBMi, and Linux operation systems.

The 7226 is designed to deliver simplified data transfer options between systems with similar tape, RDX, and DVD-RAM drive archival storage and retrieval technologies.

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, and HHLTO7 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, and HHLTO7 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, refer to the following System Storage^(R) Interoperation Center (SSIC) website

<http://www-03.ibm.com/systems/support/storage/config/ssic/index.jsp>

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. Utilize the Fix Central download portal by accessing the following website

<http://www.ibm.com/support/fixcentral>

Planned availability date

December 4, 2015

Description

IBM Storage offers the new HHLTO7 higher capacity tape drive features to the list of LTO tape, RDX, and DVD storage options. The HHLTO7 tape drive features offer more than double the capacity of the HHLTO6 tape drives currently available on the IBM 7226 Model 1U3 Multi-Media Enclosure.

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

The following features are included on the 7226:

- SAS HHLTO5, HHLTO6, and HHLTO7 tape drives, and DVD-RAM SATA/SAS features in the IBM 7226 may attach individually to an external SAS HBA on a

POWER server or IBM BladeCenter. The IBM 7226 Quad Cable feature enables attachment of up to four SAS devices on a single POWER system HBA port.

- HHLTO5, HHLTO6, and HHLTO7 FC Tape Drive features attach to select IBM POWER7 and POWER8 systems and to IBM PureFlex Blade servers through an external FC HBA (POWER6 and POWER7 system feature numbers 5273 and 5735, or POWER8 feature number EL2N) on the server.
- USB RDX3 removable disk drives, with capacity options from 500 GB to 2.0 TB RDX, in the 7226 may attach to an internal USB port on IBM POWER6, POWER7, POWER8, and IBM PureFlex systems, or on IBM BladeCenters. External USB HBA are also available on IBM POWER6, POWER7, and POWER8 servers.
- DVD-RAM devices in the 7226 may attach to IBM POWER6, POWER7, and POWER8 systems.
- IBM 7226 Quad Cable feature allows the attachment of up to four SAS devices on a single POWER system HBA port. POWER6 and POWER7 SAS HBAs are feature numbers 5278, 5901, and 5912. The POWER8 SAS HBA is feature number EJ10, EJ11, and EL10.
- SAS, FC, and USB device features in the 7226 storage enclosure are supported on AIX, IBMi, and Linux operating systems.

The 7226 is designed to deliver simplified data transfer options between systems with similar tape, RDX, and DVD-RAM drive archival storage and retrieval technologies.

Product number

Description	Machine type	Model	Feature number
HHLTO7 SAS Tape Drive	7226	1U3	8441
HHLTO7 Fibre Channel Tape Drive	7226	1U3	8446

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 IBM ID).

[BP Attachment for Announcement Letter 115-144](#)

Publications

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

Title	Order number	Part number
7226 Model 1U3 Multi-Media Enclosure Setup, Operator and Service Guide (English)	SA23-2271-09	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

The IBM Publications Center Portal is located at

<http://www.ibm.com/shop/publications/order>

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For details on education offerings related to specific products, visit

http://www.ibm.com/services/learning/ites.wss/zz/en?pageType=tp_search_new

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, refer to the following System Storage Interoperation Center (SSIC) website

<http://www-03.ibm.com/systems/support/storage/config/ssic/index.jsp>

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, and HHLTO7 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 numbers EC45 and EC46 on POWER8 systems).

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.

IBM Electronic Services

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The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

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To learn how Electronic Services can work for you, visit

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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
HHLTO7 SAS Tape Drive	7226	1U3	8441
HHLTO7 Fibre Channel Tape Drive	7226	1U3	8446

Feature number	Field install only	Plant install only	MES removal	Cables required	CSU
8441	Y	Y	Y	Y	Y
8446	Y	Y	Y	Y	Y

CSU = Customer setup

Pricing terms

Prices in the following PDF prices link are suggested list prices on day of announcement for the U.S. only. They are provided for your information only. Dealer prices may vary, and prices may also vary by country. IBM list price does not include tax or shipping and is subject to change without notice.

[ENUS-115-144-LIST_PRICES_2015_10_06.PDF](#)

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