

IBM System Storage 7212 Storage Device Enclosure Express Model



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Highlights

- **Features a compact design that can be configured with up to two storage devices**
- **Offers several storage device options for both tape drives and optical drives**
- **Can be configured for one EIA unit (1U) of a standard 19-inch server rack or as a low-profile desktop solution**
- **Low-profile storage solution for environments in which cabling space and server storage bays are limited**
- **Connects to IBM System i™ and System p™ workstations and servers**

Compact design

Server designs are increasingly focused on higher performance in the most compact and affordable packaging possible. At the same time, these designs must provide the save and restore compatibility of storage options offered on systems with larger footprints.

The IBM System Storage™ 7212 Storage Device Enclosure Express Model features the latest technology options in tape drives and a DVD-RAM optical drive. The 7212 Express Model packaging is a low-profile, modular design that is an excellent choice for rack-mount or limited-space desktop applications.

A choice of features

The 7212 Express Model offers customers a variety of choices for storage drives in either rack-mountable 1U or desktop configurations. The 7212 Express Model can accommodate up to two of the following storage features:

- *VXA-2 tape drive—Storage capacity of up to 160GB with a data transfer rate of 12 MBps (assumes 2:1 compression). This feature is an excellent choice for customers who desire a low-cost save and restore solution, or whose capacity requirements exceed the capacities of older tape drives.*
- *VXA-320 tape drive—Physical storage capacity of up to 320GB, and a data transfer rate of up to 24 MBps (assumes 2:1 compression). Media used in the VXA-2 tape drive is also read and write compatible with the VXA-320.*
- *DAT72 4mm tape drive—Storage capacity of up to 72GB with a data transfer rate of 6 MBps (assumes 2:1 compression). The DAT72 drive is read/write compatible with DDS-4, DDS-3, and DDS-2 media formats.*
- *Half-High LTO Ultrium 2 tape drive—Physical storage of up to 400GB with a data transfer rate of 48 MBps (assumes 2:1 compression). The Half-High LTO-2 drive is designed to be read and write compatible with Ultrium 1 and Ultrium 2 media formats.*
- *SLR60 1/4-inch format tape drive—Physical storage capacity of up to 75GB with a data transfer rate of up to 8 MBps (assumes 2:1 compression). The SLR60 is read and write compatible with media used on three previous generations of 1/4-inch tape drives. Tape from the SLR60 drive can also be read on the SLR100 tape drive.*
- *SLR100 1/4-inch format tape drive—Physical storage of up to 100GB with a data transfer rate of 10 MBps (assumes 2:1 compression). The SLR100 is read-compatible only with SLR60 and three previous generations of 1/4-inch tape drives.*
- *DVD-RAM drive—Native capacity of up to 9.4GB with a data transfer rate of 2.77 MBps. With typical 3:1 compression, a single disc can store up to 28GB of data. The DVD drive uses bare media, and supports both synchronous and asynchronous data transfers; is read/write compatible with 2.6GB, 4.7GB, 5.2GB and 9.4GB DVD-RAM media; and can read CD-ROM, CD-recordable and CD-RW discs. It also accommodates both 12 cm and 8 cm discs. Customers with applications that require storage and retrieval on DVD media, or only retrieval on CD media, should consider this DVD-RAM drive feature.*

IBM System Storage 7212 Storage Device Enclosure Express Model at a glance

Characteristics

Number of storage devices	2 maximum
Typical compression (tape drives)	2:1 with tape devices and 3:1 with optical devices
Color	Black
Warranty	24x7, one year, IBM on-site repair

Storage options

Drive type	DAT72	VXA-2	VXA-320
Media	4 mm tape	VXA-2	VXA-320
Native physical capacity	36GB	20GB 40GB 80GB	40GB 80GB 160GB
Compatibility	DDS-4 DDS-3	VXA-1	VXA-2

Drive type	SLR60/SLR100	HHLTO-2	DVD-RAM
Media	SLR(QIC)	Ultrium 2	DVD
Native physical capacity	37.5/50GB	200GB	2.6GB-9.4GB
Compatibility	MLR1 MLR3 SLR5 SLR60	Ultrium 2 Ultrium 1	CD CD-RW Modes 1&2 XA CD-DA

Physical characteristics

Dimensions	4.4 cm H x 42.8 cm W x 48.3 cm D (1.75 in x 16.85 in x 19 in)
Weight	8.2 kg (18 lbs)

Operating environment

Temperature	16° to 32° C (0° to 90° F)
Relative humidity	20% to 80%
Wet bulb (max)	23° C (73° F)
Electrical power	0.047 kVA
Electrical voltage	100 to 127 or 200 to 240 V AC, 50-60 Hz, autoranging
Power requirement	74 watts
Software requirements	System i: IBM OS/400® Version 5 Release 3, or later; System p: IBM AIX® Version 5.3.0, or later Linux®: SUSE Enterprise Server 9, or later; Red Hat Enterprise AS for IBM POWER™ V3, or later

IBM System i and System p attachment

The 7212 Express Model can be attached to an IBM eServer™ using the following adapters:

System i

PCI Magnetic Media Controller (Feature # 2768)
PCI-X Ultra Tape Controllers (Feature # 5702, 5705, 5712, 5715)
PCI-X Ultra320 SCSI-LVD Controller (Feature # 1912, 1974)

System p

Ultra3 SCSI Adapter (Feature # 6203)
Ultra2 SCSI Adapter (Feature # 6205)
PCI-X Adapters (Feature # 1912, 1974, 5703, 5710, 5711, 5712)
Integrated Ultra2 SCSI and Ultra3 SCSI (LVD) Adapter

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Media

High-quality IBM media can be ordered by part number from your IBM representative or IBM Business Partner. To locate the nearest source for ordering media, use the following numbers:

United States and Canada:

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651-704-6859

France: 0033-134355410

UK: 0044-1344402059

Germany: 0049-2131226474

Spain: 0034-913432612

Italy: 0039-0221043601

All other Europe/Africa/Middle East:

0031-206542606

For more information

Contact your IBM representative or IBM Business Partner or visit:

ibm.com/storage/tape

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August 2006
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