Affordable, scalable and performance oriented SAS/SATA storage expansion unit

IBM System Storage EXP3000

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Highlights

- ***3 Gbps SAS interface technology***
- ***Support for up to 3.6 TB of SAS disk physical storage capacity***
- ***Support for up to 9 TB of SATA disk physical storage capacity in a single enclosure when attached to select IBM System x™ servers using a MegaRAID or ServeRAID™ host bus adapter***
- ***SAS or SATA hard disk drive intermix supported with select IBM System x servers using MegaRAID or ServeRAID host bus adapters***
- ***Supports attachment of the DS3000 Series supporting SAS disk drives. Three EXP3000s can be attached to a DS3000 to expand up to 14.4 TB of physical storage capacity***
- ***Powerful and comprehensive management and configuration tools included***

The IBM System Storage™ EXP3000 is a high-density 2U, 19" rack-mountable driven closure designed for supporting a total of 12 3.5-inch disk drives.

IBM System x Server Attachment

Robust and flexible, the EXP3000 can be used as a direct-attach solution for IBM System x servers with support of MegaRAID or ServeRAID host bus adapter. Multiple EXP3000s can be connected together to expand capacity of the solution to help address your data needs today and tomorrow.

DS3000 Storage System

The EXP3000 supports attachment of the DS3000 Series supporting SAS disk drives. Multiple EXP3000s can be connected together to expand capacity of the solution to help address your data needs today and tomorrow.

Leveraging SAS technology, the IBM System Storage EXP3000 supports faster maximum data transfer

rates than parallel SCSI. SAS drives are also designed to provide full-duplexing, allowing simultaneous in-bound and out-bound communication. Full-duplexing can also provide better performance than parallel connections in which communication occurs in one direction at a time, becoming a potential bottleneck in some environments. With 3 Gbps SAS wide interfaces consisting of 4 channels, aggregate throughput can far exceed what could be reached by Ultra320 SCSI.

EXP3000 at a glance

Model	1727-01X—IBM System Storage EXP3000 1727-02T—IBM System Storage EXP3000 with DC power supplies
Environmental Services Module	Single ESM SAS interface: Two 26-pin, mini-SAS connectors
Drives supported	SAS 10,000-rpm capacities 73 GB, 146 GB, 300 GB SAS 15,000-rpm capacities 36 GB, 73 GB, 146 GB, 300 GB SATA 7,500-rpm capacities 500 GB, 750 GB (SATA supported with IBM System x servers with MegaRAID or ServeRAID) Not supported behind DS3000 Series.
Fans and power supplies	Two hot-swap 515 watt (115 – 230 V ac) power supplies
Rack support	19-inch, industry-standard rack
Warranty	Three year parts and labor warranty
EXP3000 Physical characteristics	
Dimensions	8.7 cm x 44.7 cm x 55.0 cm (3.43 in x 21.6 in x 17.6 in) (HxWxD)

For more information

Contact your IBM representative or IBM Business Partner or visit:

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MB, GB and TB equal 1,000,000, 1,000,000,000 and 1,000,000,000,000 bytes, respectively, where referring to storage capacity. Actual storage capacity will vary based upon many factors and may be less than stated. Some numbers given for storage capacities give capacity in native mode followed by capacity using data compression technology.

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