IBM

IBM System Storage EXP3000 Express

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

IBM System x Server Attachment

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

Solid state drives present an opportunity to simplify local storage infrastructure to help maintain overall maintenance and cooling cost, while considering remote storage solutions for end-to-end data availability as part of their System x ecosystem. Solid state drives are an appropriate solution for local OS booting, high performance input/output applications, and some local storage space. Increasingly, solid state storage may be a practical component in balancing datacenter cost, reliability, and manageability.

Highlights

- *3 Gbps SAS drive expansion technology*

- *Support for up to 5.4 TB of SAS disk physical storage capacity (450 GB SAS drives) in a single enclosure*

- *Support for up to 12 TB of SATA disk physical storage capacity (1.0 TB SATA drives) in a single enclosure*

- *SAS or SATA hard disk drive intermix supported with select IBM System x™, IBM System p®, and IBM BladeCenter® servers using the DS3000 series of storage systems, MegaRAID or ServeRAID™ host bus adapters*

- *Three EXP3000s can be attached to a DS3000 storage system to expand up to 21.6 TB of physical storage capacity when utilizing 450 GB SAS drives or 48.0 TB of physical storage capacity when utilizing 1 TB SATA drives*

- *Telco model supports -48 V DC power supplies*

- *NEBS and ETSI compliance for AC and DC models*

- *50 GB SATA Solid State Disk drive supported in EXP3000 expansion units that are directly attached to System x servers via the ServeRAID MR10M SAS/SATA controller adapter installed in the System x server.*

EXP3000 Express at a glance

Model	1727-01X—IBM System Storage EXP3000 Express 1727-02T—IBM System Storage EXP3000 Express with DC power supplies
Environmental services module	Single ESM with dual ESM option SAS interface: Two mini-SAS connectors
Drives supported	SAS 15,000 rpm capacities: 73 GB, 146 GB, 300 GB, and 450 GB SATA 7,200 rpm capacities: 500 GB, 750 GB, 1.0 TB Solid State Disk: 50 GB SATA (System x direct attach only via the ServeRAID MR10M SAS/SATA controller adapter)
Fans and power supplies	Two hot-swappable 515 watt (115 – 230 V AC) power supplies
Rack support	19", 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) (H x W x D)

IBM System Storage DS3000 Express Series

The EXP3000 Express supports attachment to the DS3000 Express Series providing a highly available storage system scaling up to 48 SAS and/or SATA disk drives. Up to three EXP3000s can be connected to expand capacity and IOPs performance of the solution to help address your data needs today and tomorrow.

For more information

Contact your IBM representative or IBM Business Partner, or visit:
ibm.com/systems/storage/disk/exp3000/

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ibm.com/financing

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.

TSD03025-USEN-05