

IBM TotalStorage EXP24

Scalable storage for small to midrange computing environments

Highlights

- Well-suited for small to medium-sized enterprises that need affordable, entry-level storage
- Supports storage expansion of up to 24 Ultra 320 SCSI disk drives
- Offers high-availability features, including redundant power supplies, cooling and hot swap DASD
- Provides up to four SCSI initiator host ports designed to economically attachment of up to 4 servers to a single EXP24 or for failover capabilities.

Most businesses today must retain a growing volume of valuable. This near-line application storage must keep up with demand; however, for small and medium-sized enterprises, predicting storage needs and controlling costs can be especially challenging as business grows.

The IBM TotalStorage EXP24 is designed to give cost-conscious businesses an entry-level server that can help meet storage and near-line application storage needs without undo expense, while leaving them room to grow. The EXP24 is scalable up to 7.2TB of Ultra 320 SCSI physical disk storage with 24 internal 300GB disks. The EXP24 is designed to provide ample yet scalable storage without the cost of extra expansion units. This storage server also is designed to help consolidate storage into a centrally managed environment.

The EXP24 is designed to interoperate with IBM System p® and eServer pSeries® servers. To help make integration easy, IBM tests the EXP24 for interoperability with IBM System p® and eServer pSeries®.

The EXP24 also includes management tools designed to help lower administration costs. And the cost benefits that come with the EXP24 are not at the expense of reliability—the Ultra 320 SCSI based EXP24 helps support increased reliability and performance compared to many older, non-redundant designed products.

Scalability and reliability as storage needs grow

With the dual SCSI initiator, enterprises can attain high availability failover between SCSI drive packs. This allows the capability to have drive failover.

Another scalability feature of the EXP24 is RAID 0, 1 and 5 support, which also is designed to provide the ability to add additional DASD to a EXP24 while avoiding interruption to operations. The EXP24 includes many of the same redundant hardware design features found in higher end storage systems to help protect and keep data online as storage server arrays evolve.

Centralized and low-cost administration

Along with providing affordable, scalable storage, the EXP24 is designed to help reduce system administration costs through the management of several direct-attach servers into a single storage enclosure.

Failover and cluster support are also standard features of the EXP24 designed to help improve availability. The EXP24 also supports many non-disruptive failover features such as redundant power supplies, cooling and Hot swap DASD to help make it easy to add capacity.

High-performance storage for the on demand world

The features of the EXP24 further enhance the functionality, flexibility and scalability of the Systems p5 and pSeries server. As a near line, u320 SCSI storage server, the EXP24 is designed for applications that require faster access than offline storage offers but do not require the continuous, instantaneous access provided by online storage.

The performance, capacity and data management and protection capabilities of the EXP24 not only can help address the storage needs of today, but also can provide a base for continued growth to help businesses meet future storage requirements. By combining these capabilities with a design focused on u320 SCSI solutions, manageability and affordability, the EXP24 can offer a cost-effective storage system for small to medium-size enterprises.

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IBM TotalStorage EXP24 at a glance	
Characteristics	
Model	7031-D24 Rack mount & 7031-T24 Tower
Host interface	Up to 4 single/dual SCSI Initiators
Drive interface	u320 SCSI
Supported drives	73/146/300 10K RPM, 36/73/146 15K RPM
RAID levels	1, 3, 5, 10
Maximum drives supported	24 u320 SCSI
Fans and power supplies	Redundant, hot-swappable
Rack support	19-inch, industry-standard rack
Warranty	1-year parts and labor warranty with 24x7 support 4-hour response