

*Easy, scalable, flexible and affordable external storage solution
for small and medium businesses*



IBM System Storage DS3200



One clear message heard from small and medium businesses is that their data is as valuable to their organizations as data is to the enterprise customer. In fact, small businesses are experiencing even faster data growth and are discovering that their storage and data protection requirements have more similarities than differences, relative to large enterprises.

Highlights

- **3 Gbps Serial Attached SCSI (SAS) interface technology**
- **Easy to deploy and manage with the DS3000 Storage Manager**
- **Scalable to 3.6TB of storage capacity with 300GB hot-swappable SAS disks**
- **Expandable by attaching up to three EXP3000s, a total of 14.4TB of storage capacity**
- **Affordable for the small and medium business budgets**

Small businesses can take an overburdened internal storage infrastructure to a new level by using the flexible and affordable IBM System Storage™ DS3200 storage system. By moving storage outside the server, small businesses can increase the capacity and reliability of the data solution well beyond the initial storage investment.

Easy to deploy and manage

With many small business IT departments having one or a part-time administrator and limited time to spend on data management, the DS3200 can be easily installed without extensive knowledge or effort.

The DS3000 Storage Manager software was designed for easy implementation for an unseasoned administrator. The task-oriented management interface of the DS3000 Storage Manager presents tasks to the administrator first and then asks which object to perform the task on. This contrasts to an object-oriented interface of a typical system in which the object is first selected, then the task, and requires a higher depth of storage networking expertise. The DS3000 Storage Manager approach enables even non-Storage administrators to quickly set up and deploy the

storage solution. The management application's task-oriented interface removes the resistance that many organizations have with their limited in-house expertise.

Expand with multiple EXP3000s

The scalability of the DS3200 allows IT managers to respond to their constantly changing storage environment. By starting small, the DS3200 allows users to make additional investments in their infrastructure only when their data growth necessitates it; thus organizations can easily increase capacity and storage capabilities with minimal cost and effort. The DS3200 capacity is increased by either adding hard disk drives or by expanding the configuration and adding EXP3000 expansion units. Both these operations can be done without having to shut down the

DS3200. This means "zero-impact" to your environment and gives users control of their data storage as they expand capacity on an as-needed basis.

Flexible approach to storage

The DS3200 is a comprehensive storage solution for IBM System x™ and select third-party servers. This flexibility allows you to break free of server barriers and use a single storage solution in a mixed vendor environment.

Priced right for small business

With the functionality and availability features that come standard and a price-point that does not strain the budget, the DS3200 is the simple choice for the small and medium businesses. Other storage products require the purchase of expensive options for basic storage configurations. The DS3200 is an out-of-the-box solution that will satisfy the majority of storage needs.

IBM System Storage DS3200 at a glance

Models	1726-21X—single controller 1726-22X—dual controller
RAID controller	Dual active
Cache	512MB battery-backed
Host interface	1 or 3 host ports per controller, Serial Attached SCSI (SAS) 3 Gbps
Drive interface	Serial Attached SCSI (SAS)
Supported drives	Supports 3 Gbps SAS drives at 10,000rpm and 15,000rpm speeds
RAID levels	RAID-0, -1, -3, -5, -10
Storage partitions	4, 16
Maximum drives supported	48 SAS drives (using three EXP3000 Expansion Units)
Fans and power supplies	Dual-redundant, hot-swappable
Rack support	19" industry-standard rack
Management software	IBM System Storage DS3000 Storage Manager
Warranty¹	Three-year parts and labor
Dimensions	Height – 8.7 cm (3.4 inches); Width – 44.7 cm (17.6 inches); Depth – 55.0 cm (21.6 inches); Weight: approximately 36.6 kg (16.6 lbs) for a standard unit; when fully configured, 27.2 kg (60 lbs)
Environment	Air temperature: DS3200 on: 10° to 35°C (50.0° to 95°F); altitude: 30.5 (100 ft) below to 3000 m (9840 ft) above sea level; temperature change: 10°C (18°F) per hour – DS3200 off: 10° to 50°C (14.0° to 120.0°F); maximum altitude: 3000 m (9840 ft); temperature change: 15°C (27.0°F) per hour; Humidity: – DS3200 on: 20% to 80% – DS3200 off: 10% to 90% – Maximum dew point: 26°C (79°F) – Maximum humidity gradient: 10% per hour
Heat output	Approximate heat output in British thermal units (Btu) per hour: minimum configuration: 205 Btu (60W); maximum configuration 1235 Btu (361W)
Supported systems	For a list of currently supported servers, operating systems, host bus adapters, clustering applications, SAN switches and directors, refer to the DS3000 series Interoperability matrix available at ibm.com/storage/disk/DS3000/DS3200

For more information

Contact your IBM representative or
IBM Business Partner or visit:

- **ibm.com**/systems/storage/disk
- **ibm.com**/systems/x
- **ibm.com**/systems/bladecenter



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MB, GB, and TB = 1,000,000, 1,000,000,000 and 1,000,000,000,000 bytes, respectively, when referring to storage capacity. Accessible capacity is less; up to 3GB is used in service partition. 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. Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest currently supported drives available.

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