

IBM TotalStorage™ FAStT500 Storage Server



Highlights

- **Features leading-edge technologies for faster data access**
- **Designed to provide scalability to accommodate planned and unplanned growth requirements**
- **Helps conserve staff resources**

Surging ahead with storage

As routine business processes become increasingly data-dependent, companies are ramping up their storage infrastructures. But today's companies must weigh storage requirements against tightening budgets. Solutions must be cost-effective and scalable, and accommodate a variety of storage requirements.

IBM can provide flexible business solutions that can help maximize price-to-performance ratios. IBM TotalStorage FAStT500 Storage Server is a full-fiber, storage area network (SAN) solution that gives you the performance you need at the right price.

Offering leading-edge technologies for superior performance

With up to eight Fibre Channel direct host or SAN attachments, the FAStT500 Storage Server is capable of delivering fast data access (up to 383MB/sec)—making it suitable for computing environments where real-time performance is key. Besides high bandwidth, the FAStT500 supports a variety of operating systems, including IBM AIX®, Linux and Microsoft® Windows NT®, among others.

Providing scalability and flexibility to accommodate growth

The modular design of FAStT500 allows you to purchase components as you need them. It scales from 18GB to greater than 32TB¹. Moreover, you get to choose the appropriate RAID level—from 0, 1, 3, 5 and 10—to match an application or suit your particular financial needs, helping you to extend and leverage your investments now and in the future.

Stepping up availability to help minimize downtime

A company's success is proportionate to its ability to support around-the-clock operations. Unscheduled outages that affect data retrieval and other business processes can mean revenue losses and customer dissatisfaction.

The TotalStorage FAStT500 solution is designed to provide security against component failures. Dual hot-swap RAID controllers help provide throughput and redundancy, and each controller supports up to 512MB of battery-backed cache. Redundant fans, power supplies and dynamic storage management further contribute to availability.

IBM FAST500 Storage Server at a glance

Model	3552-1RU
RAID controller	Dual-active RAID controllers
Controller cache	Up to 1GB, battery-backed
Host interface	Fibre Channel (FC) Switched and FC Arbitrated Loop (FC-AL)
Connectivity	4 standard, up to 8 via additional mini-hubs
Drive interface	FC-AL
Supported drives	18.2GB, 36.4GB, 73.4GB and 146.8GB 10,000 rpm; 18.2GB, 36.4GB and 73.4GB 15,000 rpm
RAID levels	0, 1, 3, 5 and 10
Storage partitions	Up to 64
Maximum drives supported	224 (via 16 EXP700 or 22 IBM FAST EXP500 Expansion Units)
Fans and power supplies	Dual redundant, hot-swappable
Rack support	Industry-standard 19-inch rack
Supported servers	For the most recent list, please visit: ibm.com/storage/fast500
Supported operating system	IBM AIX®, Solaris, HP-UX, Microsoft® Windows NT®, Windows® 2000, Novell NetWare, Linux For OS levels, visit: ibm.com/storage/fast500
Management software	IBM FAST Storage Manager
FC switch support	For the most recent list, please visit: www.ibm.com/storage/fast500
FC hub support	IBM TotalStorage Managed Hub (3534)
Dimensions	174.5mm H x 444.5mm W x 609.6mm D (6.87 in. x 18 in. x 24 in.)
Weight	38.6kg (85 lbs)

IBM FAST EXP500 Expansion Unit

Number of drives supported	Up to 10 FC drives (18.2GB, 36.4GB, 73.4GB or 146.8GB)
Fans and power supplies	Dual redundant, hot-swappable
Dimensions	131.88mm H x 480mm W x 575mm D (5.2 in. x 18.9 in. x 22.63 in.)

IBM FAST EXP700 Expansion Unit

Number of drives supported	Up to 14 drives - 2Gbps FC (18.2GB, 36.4GB, 73.4GB or 146.8GB)
Fans and power supplies	Dual redundant, hot-swappable
Dimensions	With Bezel
Height	13.23cm (5.21 in.)
Depth	59.74cm (23.52 in.)
Width	48.18cm (18.97 in.)
Bezel thickness	3.63cm (1.43 in.)

Saving resources for core competencies

FAST Storage Manager lets you manage multiple FAST500 systems from a single console. Controlling your whole environment from one location helps conserve your in-house resources, releasing them to focus on core competencies.

Relying on IBM

At IBM, we provide the best storage products, technologies, services and solutions to help you get industry-leading storage solutions today and in the future.

For more information

To learn more about IBM TotalStorage FAST500 Storage Server or IBM Systems Group, contact your IBM representative, IBM Business Partner, or visit: ibm.com/totalstorage/fast500



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¹ Actual usable capacity will vary based on RAID

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