

**Hitachi Freedom Storage™
Thunder 9200™**

HITACHI
DATA SYSTEMS

Turn up the volume. Tune out the noise.



2009
thunder

What will you do without all those problems?

Being there for you is part of the deal.

We want happy customers. So we're here for you—with continuing service and support. Demonstrated technical expertise. Unflinching attention. And experts to design cutting-edge SAN and NAS environments. For our teams, "whatever it takes" is a matter of fact. It shows in the smooth operation of thousands of mission-critical storage systems around the world. That's why respondents to a recent survey by FIND/SVP placed Hitachi Data Systems *Number One in overall service and support as well as technical performance.*

Hitachi. Where your time is valued and quality is intrinsic.

From the people who perfected the world's fastest bullet train and most powerful electron microscope—the world's fastest RAID system for the midrange market. If it's engineered by Hitachi, it's built to last and destined to lead. For nearly one hundred years, the Hitachi name has been synonymous with quality and reliability.

So, what will you do when you have no problems?

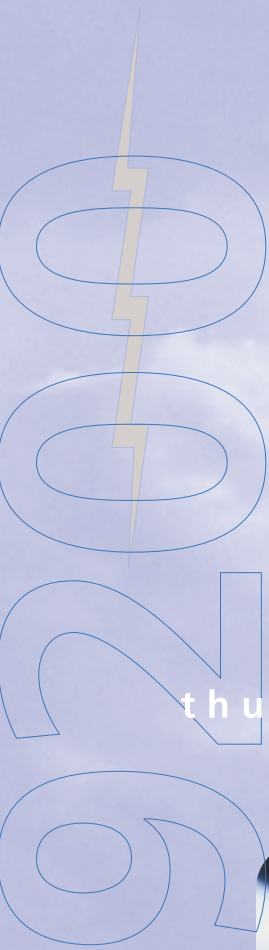
From now on everything will be an opportunity.
Visit us at www.hds.com and see for yourself.

Hitachi TrueNorth™—the Direction You Can Trust

Information and knowledge are fundamental determinants for success in the global economy. Thus, the standards for storage infrastructure availability, performance, scalability, and manageability continue to rise. Hitachi TrueNorth™ is our response to the ensuing demand, allowing you to simplify, protect, and optimize your information infrastructure, reducing TCO and ensuring a more rapid ROI.

The Hitachi TrueNorth vision and strategic direction, along with an associated product road map, anticipate customer needs. We view the future storage infrastructure as a synergistic combination of management software and powerful, intelligent storage systems that will deliver set-and-forget management, complemented by flexible capacity, performance, and connectivity.

Prepare for the future with Hitachi. As we move forward, we offer you open and collaborative storage management frameworks, policy-based automation tools, virtualization capabilities, and the world's finest storage systems.



thunder



What will you do without all those problems?

Complicated options. Complex solutions. Rigid, unscalable systems. Here's what we think: With the Hitachi Freedom Storage™ Thunder 9200™ system for Microsoft® Windows NT®/2000 and UNIX® systems, you'll have time to enjoy life. Watch demands for storage increase without flinching. And accept kudos for recognizing value when you see it. Put the Thunder 9200 storage system to work. There'll be no downtime to shatter user productivity or customer service. Surges in transactions won't throw your system into slow motion. For that matter, a Thunder 9200 storage system can take anything you throw at it, standing ready to scale up to 17.6TB in a small footprint—and simplifying your life.

- > Aggressively scale
- > Accelerate information delivery fo

Give them what they need, when they want it.

It's fundamental. Business is information-dependent. That means employees and customers must be able to access data when and where they need it. No excuses. "Soon" isn't good enough. So when it comes to storage, the answer is simple: Thunder 9200 storage systems for high-availability, around the clock.

Who says life is complicated?



Turn up the volume.

Time won't wait. Why should you?

Truly response-time-sensitive, Thunder 9200 storage systems deliver with a full-Fibre design. Both hardware and software are engineered for speed and protection, including 100MB/sec or 2Gb/sec Fibre ports. Unique, speed-focused features include Hitachi FlashAccess™ 9200 to lock LUNs into cache for ultra-high performance, with a 100-percent hit rate.

storage capacity to satisfy customers and users

> Exceed ser

> Reduce complexity and management costs through conso

or faster decisions/time to market

Scalable, with add-on disks up to 7.2TB per system!

Buy what you need now. Add more later. Thunder 9200 storage systems are the only scalable systems that deliver high-end performance features in an entry-level footprint. You'll keep your initial investment within reason. Simply upgrade—not replace—as your needs increase. That's value in action. Scale up to 17.6TB in a single rack, or boost your desk-side system to 1.8TB or 3.5TB, depending upon the model you select.

Centralized, optimized storage management—fast and easy.

Open and extensible, **HiCommand™** enables customers to build their most suitable management framework. **HiCommand Management Framework** is based on industry standards, including the Common Information Model, the Simple Object Access Protocol, and eXtensible Markup Language. Simply snap in software developed by Hitachi or complementary independent software vendor offerings. HiCommand is customizable and easy to integrate with existing infrastructures.

With the **HiCommand Device Manager** module in place, the framework will expand to provide a full suite of storage management applications, allowing existing IT resources to be even more productive.

Or you can choose Resource Manager 9200 software for configuring and monitoring up to 1,024 Thunder 9200 storage systems.

Keep data safe with Hitachi ShadowImage™ 9200 and Hitachi TrueCopy™ 9200 software.

Among the powerful products that complement the robust Thunder 9200 storage system, ShadowImage 9200 allows you to replicate open systems information. Execute logical backups at faster speeds and with less effort than previously possible. Easily configure your backups to execute across your storage area network, yet manage from one central location.

To further safeguard information, take advantage of TrueCopy 9200 software to continuously update and maintain reliable data copies at a secondary site. TrueCopy supports remote data movement and migration over Fibre Channel. Channel Extenders, qualified by Hitachi, can be used to move data any distance from primary to secondary Hitachi Freedom Storage systems using network protocols such as IP or Dark Fiber.



Tune out the noise.

Service level agreements
Validation

Hot swap your components. Hot swap your drives.

As life gets more complicated, we strive to make it easier. With redundant and hot-swappable components and drives, crashing your company's system—even a planned outage—becomes an event of the past. Replace or add on drives at will. Increase rack capabilities with modular units. And rely on battery backup of 48 hours or more, plus an optional integrated UPS for maximum protection.

Jumpstart networking with our leading SAN package

With up to 16.3TB of Thunder 9200 storage as its foundation, our easy-to-deploy SAN package includes high-availability Brocade® SilkWorm® 3800 switches in a high-performance, highly available networked storage configuration. Its increased connectivity provides for fast data transfers and storage pooling. For flexibility, add in our Hitachi Freedom NAS™ for IP File serving/sharing, or work with your LAN for management and control, or WAN for disaster recovery and global reach.

Use Freedom NAS for fast file serving or shared storage. Our high-availability Freedom NAS can be configured with the Thunder 9200 storage system along with the Network Storage Solutions™ (NSS) file server. It can stand alone, dedicated to intense Web activity or high-demand business applications. Or, it can share storage responsibilities within a SAN, direct-attached, or clustered environment—no matter what operating systems you elect.

Leave your work—and your worries—at the office.

Remote-monitoring Hi-Track® watches over your Thunder 9200 storage systems, so you don't have to. It monitors all components and detects failures. It even calls home daily. You can use the Web's point-and-click access to update and configure files, and check in anytime you want. Best of all, reliable SNMP notifications alert you to any blips or soft errors before you lose any sleep.

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