



WD Sentinel™ DX4000

Small Business Storage Server

Designed specifically for small business environments, WD Sentinel DX4000 is an easy-to-set-up small business storage server. It provides secure centralized storage, complete data protection and data access for employees, clients and vendors while in the office or working remotely from anywhere with an Internet connection.

Featuring hardware and software from industry leaders, WD Sentinel delivers a high-performance, reliable, cost-effective and easy-to-manage solution for a small business network.



Product Features and Benefits

Low cost of ownership

Includes the software you need to protect up to 25 client computers in your network. There's no need to purchase additional backup software licenses for each additional computer.

Complete solution from industry-leading technology partners

- Hard drives optimized for reliability, quality and performance.
- Dual Core Intel® Atom™ D525 processor.
- Windows® Storage Server 2008 R2 Essentials software.

Simple server setup

Whether you're an IT expert or not, the simple wizard-based setup process allows you to integrate WD Sentinel server into your office network like a pro.

Connector software

The included Connector software allows you to seamlessly connect the computers on your network to your WD Sentinel.

Centralized storage and file management

Secured centralized storage enables quick file storage and retrieval for everyone in your business.

Automated, server-driven backup

WD Sentinel automatically backs up and saves a complete image of up to 25 computers connected to the server.

File-folder or bare-metal restore

Restoring data from the server is just as easy. Simply recover individual files and folders or restore an entire computer from image-based backups stored on your WD Sentinel.

Block level deduplication

WD Sentinel features elegant block level deduplication technology that provides efficient client computer backup over the network.

Secure remote access

Easily connect to your WD Sentinel from virtually anywhere with a personalized Internet address for secure remote data access. WD Sentinel also acts as a portal providing remote desktop access to the computers it is monitoring.

Feature-rich management dashboard

The administration Dashboard interface quickly guides you through common wizard-based management tasks such as managing users, assigning folder permissions and setting up a backup schedule.

Active Directory join

Active Directory join capability enables WD Sentinel to seamlessly integrate into your existing infrastructure and networks.

DLNA® media server

With the built-in DLNA media server, your employees can access WD Sentinel's shared media library on the network rather than maintaining copies of media files on their individual computers.

LCD display panel

The LCD display panel on the front of the device allows you to monitor the system status and critical alerts.

Cross-platform file sharing

WD Sentinel supports industry-standard protocols such as CIFS/SMB, NFS, WebDAV and FTP, enabling file sharing across various Windows and non-Windows clients.

Automatic RAID migration and capacity expansion

Add a drive to an empty drive bay and WD Sentinel seamlessly migrates to the appropriate RAID level and automatically expands the server's storage capacity without any user intervention.

Leading edge performance

With dual Gigabit Ethernet connectivity, WD Sentinel delivers read speeds of 105 MB/s through the Gigabit Ethernet interface.¹

Designed for high availability, reliability and 24/7 operation

- Each WD Sentinel is pre-configured with WD's reliable and durable server-grade hard drives.
- RAID levels 1 or 5 provide an additional layer of data protection.
- Automatic server-driven backup and restore ensures the data on your computer or network is always protected.
- Dual Gigabit Ethernet ports offer redundancy and high availability.
- Optional dual power supply ensures increased uptime.

Virtual storage using iSCSI Target

Easily manage the deployment, setup and administration of iSCSI Target using the exceptionally user-friendly iSCSI Target capability of WD Sentinel, powered by StarWind®.

WD Guardian™ Services

Western Digital offers standard customer support and warranty to all WD Sentinel owners. WD Guardian Services provide additional support and warranty options for small business customers. Learn more at www.wdguardian.com

¹As tested using a file transfer simulator using two sets of large files averaged over 10 runs.



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Technical Specifications

Interface	2 high-performance (10/100/1000) Gigabit Ethernet Ports 2 USB 3.0 ports
CPU	Dual Core Intel® Atom D525 1.80 GHz processor
Memory	2 gigabytes SODIMM DDR3-800
Server operating system	Windows Storage Server 2008 R2 Essentials
Supported client operating systems	Windows 8, all 32-bit and 64-bit platforms Windows 7, all 32-bit and 64-bit platforms Windows Vista® with service pack 2, all 32-bit and 64-bit platforms Windows XP with service pack 3, 32-bit versions only Mac OS® X Mountain Lion, Mac OS X Lion, Mac OS X Snow Leopard and Mac OS X Leopard* File sharing support for Linux® and UNIX®
Network protocols	CIFS/SMB, NFS, HTTP, HTTPS, FTP, WebDAV, Bonjour
File sharing protocols	CIFS/SMB, NFS, WebDAV, FTP
Drive bays	4 x 3.5 inch hard drive bays, Hot swap capable, Tray-less design
Internal hard drives	Two or four 3.5-inch SATA hard drives with RAID-specific time-limited error recovery (TLER) Pioneered by WD, this feature prevents drive fallout caused by the extended hard drive error-recovery processes common to desktop drives. 24x7 reliability With 1.2 million hours MTBF (tested at 100% duty cycle), these drives have the highest available reliability rating on a high-capacity drive. Improved rotary vibration tolerance Optimized drive mechanics, system characterization and process validation yield unmatched performance in high vibration environments. Approved drive models For a List of Compatible Hard Drives for WD Sentinel DX4000, visit support.wdc.com and reference Knowledge Base #9443.
RAID support	RAID 1 (2 hard drive SKUs) and RAID 5 (4 hard drive SKUs) Automatic RAID migration and capacity expansion
Backup and restore	Server-based backup for up to 25 computers, with block level deduplication Bare-metal restore and file/folder level restore
Network authentication	Active Directory join
LCD panel	2 lines of 16 characters for status and alerts
Switches	Power button Buttons for scrolling through messages on LCD
LEDs	1 power LED 4 drive bay LEDs
Power	2 external power ports Redundant failover
Power supply	Input voltage: 100V to 240V AC Input frequency: 50 to 60 Hz Output voltage: 19V DC, up to 6.32A
Temperature	Operating temperature: 5 to 35 °C (41 to 95 °F) Non-operating temperature: -20 to 65°C (-4 to 149 °F)
Available capacities	4 TB (2 x 2 TB) 6 TB (2 x 3 TB) 8 TB (4 x 2 TB) 12 TB (4 x 3 TB) 16 TB (4 x 4 TB)
Physical dimensions	Height: 8.10 in (206 mm) Depth: 6.3 in (160 mm) Width: 8.8 in (224 mm)
Weight	4 TB and 6 TB: 10.76 lb (4.88 kg) 8 TB, 12 TB and 16 TB: 14.0 lb (6.35 kg)

*May require updating your system with latest MS and WD updates.

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As used for storage capacity, one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (Mb/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

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