D-Link®
Building Networks for People

DNS-1560-04

4-Bay SMB Rack-mount Unified Network Storage Enclosure

Features

Storage

- Four easy-to-load hard drive bays accept any capacity 3.5" SATA or 2.5" internal drive
- Multiple RAID types for a wide range of storage options (JBOD, RAID 0, 1, 5, 6,10)
- Amazon S3 cloud replication & disaster recovery

Enterprise Storage Options

- Multiple protocols: SMB, NFS, AFP, FTP, WebDAV & iSCSI
- ZFS-based file system to offer high reliability
- Thin provisioning to enable dynamic capacity allocation

Performance

- Faster, more powerful hardware and add-on software features provide a more streamlined
- 2 X 226W redundant power supply

Green Design

- Auto disk spin down
- Energy efficient power supply

Small and medium businesses face an ever-increasing need for data consolidation and sharing. D-Link's DNS-1560-04 1U 4-bay Rackmount SMB NAS/iSCSI Unified Storage is a unified solution for these growing data storage requirements, and provides a multitude of options for managing and securing important files.

Unified Storage Solution

The DNS-1550-04 is a unified solution that provides iSCSI and NAS functionalities. It boasts strong iSCSI read/ write performance whose average data throughput is higher than many competing products. It also provides versatile RAID support meaning you never run the risk of losing valuable data. It features 4 Serial ATA (SATA) disk drive bays that support hard drives in RAID level 0, 1, 5, 6, 10, or JBOD configurations. DNS-1560-04 supports multiple protocols including SMB, NFS, AFP, FTP, WebDAV as well as iSCSI. This combination delivers storage solutions with great performance, manageability and efficiency

Variety of Backup Options

The DNS-1560-04 offers a comprehensive range of backup options which allow administrators and users to control how, when, and where their data is stored. Users can also take a volume snapshot, integrate with Amazon S3 cloud storage or remotely back up to a another unified storage.

Green Features Save Energy

The DNS-1560-04 is also 80 PLUS certified. 80 PLUS certification is granted to products that have more than 80% energy efficiency at certain levels of rated load. This enables the DNS-1560-04 to run more efficiently by using less electricity, allowing it to run cooler and with reduced operating costs.
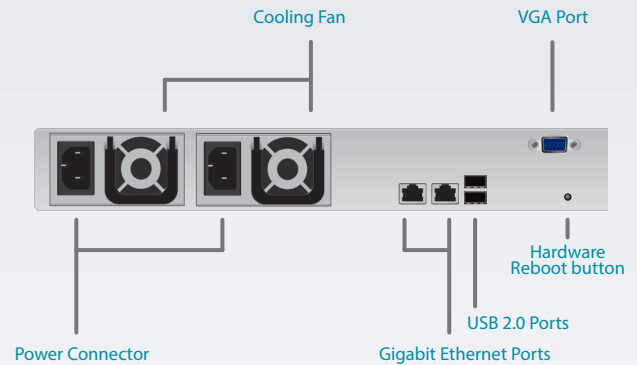
Efficient

DNS-1560-04 features thin provisioning allocating disk storage space in a flexible manner based on the minimum space required. It also addresses the explosion of unstructured data and files, where reads/writes are random, by treating random writes as sequential blocks.

Manageability

The DNS-1560-04's user interface is clean, intuitive, and professional, which dramatically increases usability for enterprise users. It also integrates Windows Active Directory and LDAP for IT administrators to easily manage accounts in enterprise environments.

Cooling Fan   VGA Port

Hardware Reboot button

USB 2.0 Ports

Power Connector   Gigabit Ethernet Ports

Technical Specifications

General

Standards	• RoHS	• CE
Supported Hard Drive Types	• Up to 4 SATA II / SATA III HDD or SSD	
Memory	• 4GB	
Processor	• Intel® Atom™ D2550	
Fan	• 2 x system fan	
Portsz	• Two 10/100/1000 Gigabit Ethernet ports • VGA port	• Two USB 2.0 Host ports • 2 x Power
LEDs	• Status • Access	• GbE Activity • GbE Connection/Speed
Form Factor	• 1U 4-Bay	

Functionality

Disk Management	• Multiple hard drive configurations:
	  • Standard
	  • JBOD
	  • RAID 0, 1, 5 , 6, 10
	• Data Efficiency
	  • Compression
	  • Thin provisioning
		• Hard drive pooling
		  • Dedicated hot spare disks
		  • Multiple RAID groups support
		  • Auto volume rebuilding
		  • Online pool expansion
		  • Offline pool roaming

Networking	• DHCP or static IP address assignment • NTP client • Jumbo frame • Trunking	• LACP • VLAN tagging • WINS client
Data Service	• SMB v2 for Windows • NFS v3/v4 for Linux & UNIX • AFP v3.3 for Mac OS X • FTP	• SFTP • iSCSI target • WebDAV
Data Protection	• Snapshot • Clone for volumes & file system • Remote replication	• Amazon S3 cloud replication & disaster recovery • ZFS file system
Account Management	• User account management • Group account management • Network access management	• Microsoft Active Directory • LDAP

Network Management	• Event notification
	   • Email
	   • SNMP trap
	   • Syslog
		• Performance states
		• System monitoring & Device health status
		• S.M.A.R.T.
		• Wake-on-LAN

Backup Management	• Scheduled local backups • Scheduled remote backup	• Amazon S3 Cloud backup

Device Management	• Browser UI:
	   • Internet Explorer 7 or higher
	   • Mozilla Firefox 3 or higher
	   • Apple Safari 4 or higher
	• System Setup Wizard (Win / Mac)
	• System Service Management
	• Wake-on-LAN
		• E-mail notifications
		• SNMP trap
		• System log
		• Performance states,
		• System monitoring & Device health status
		• S.M.A.R.T.

Power Management	• Redundant power supply	
Remote File Sharing	• FTP server	• WebDAV
File Sharing	• Max. User accounts: 4096 users • Max. Group accounts: 512 groups • Max. shared folders: 256 folders	• Max. concurrent Samba connections: 512 connections • Max. concurrent FTP connections: 512 connections

Security	• Encrypted Access
	   • HTTPS
	   • FTP with SSL/TLS (Explicit)
	   • SFTP & SSH (Admin)
		• 3-year McAfee anti-virus
		• CIFS User/Group Access Control for shared folders

Physical

Dimensions	• 533.4 (L) x 442 (W) x 44 (H) mm (21 x 17.40 x 1.73 inches)
Weight	• 7.48 kg (16.5lbs)
Power	• 226 W Single
Power Consumption	• Normal Mode: 70 W
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)
Humidity	• 0% to 90% non-condensing
Certifications	• CE

Order Information

Part Number	Description
DNS-1560-04	4-Bay SMB Rack-mount Unified Network Storage Enclosure

[1] Maximum capacity may change as hard drive technology develops.

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