

## Features

- Four Hot-Swappable 3.5-inch SATA drive bays
  - Supports up to 12TB with 3TB drives
- Two Gigabit Ethernet Ports
- Five USB 2.0 Ports
  - UPS, Printer, and External Storage Support
- RAID Support
  - 0, 1, 5, 6, 10, JBOD or Standard
- RAID Migration
- Predictive Data Migration (PDM)
- Online Capacity Expansion
- Virtual Disk Drive (VDD) Expansion

## Storage Management/Networking

- iSCSI (up to 32 iSCSI targets)
- DDNS
- Snapshots (up to 32 Snapshots supported)
- SNMP
- CIFS/SMB/Samba
- NFS
- AFP
- FTP
- FTP over SSL
- WebDAV
- Link Aggregation
- Jumbo Frame Support
- HTTP/HTTPS
- NTP
- ADS Support
- LDAP Support
- Web File Manager
- E-mail Alerts
- Scheduled Downloads from Web or FTP Sites
- Telnet
- LLTD
- IPv4/IPv6
- LUN Mapping & LUN Masking
- DHCP (Server/Client)
- S.M.A.R.T. Hard Disk Diagnostics
- Amazon S3 Cloud Storage Synchronization
- VMware Ready



## ShareCenter® Pro 1550 - 4-bay1U Rackmount NAS/iSCSI Unified Storage for Small and Medium Businesses

Small and medium businesses face an ever increasing need for storage consolidation, document sharing and data backup. D-Link's DNS-1550-04 ShareCenter® Pro 1550 Network Storage device addresses these requirements, and provides a multitude of advanced options for managing and securing important files.

Setup and configuration of the DNS-1550-04 can be completed in a matter of minutes with our simple and easy to use One Click Setup and intuitive Web Based Interfaces.

### Unified Storage Solution

The DNS-1550-04 is a unified solution that provides iSCSI and NAS functionalities including MPIO and LUN-masking. It boasts strong iSCSI write performance, greater than many competing products. It also provides versatile RAID support. It features four Serial ATA (SATA) disk drive bays and supports volumes in RAID level 0, 1, 5, 6, 10, JBOD and Standard Mode configurations. Additionally, S.M.A.R.T. disk diagnostics help to ensure data integrity through monitoring of the hard drives. Any hard drive problems detected can be dealt with by Predictive Data Migration (PDM) which moves data from an affected drive to a healthy drive to ensure no loss of data.

### NAS File Server

Small and Medium Businesses will appreciate the DNS-1550-04 NAS file server which takes advantage of the accelerated performance of the Intel Atom Dual-Core processor. Providing up to 9000 MIPS of computing power and 2GB of cache memory, the DNS-1550-04 is able to provide the performance required for your business and its future growth with throughput up to 210MB/s in iSCSI applications.

### Virtual Disk Drive (VDD) Expansion

Virtual Disk Drive (VDD) expansion allows the ShareCenter® Pro 1550 to attach up to eight external iSCSI storage targets found on the local network, and use them as virtual disks for additional storage volumes.

### Advanced Security

Account management features include the ability to manage users & groups and their read/write permissions, create users, groups, and iSCSI targets with password authentication. Additionally, VLAN tagging support combined with AES encryption keeps files secure. The DNS-1550-04 implements CHAP authentication, system firewall and IP blocking to guarantee secure access to the storage system.

### A Variety of Backup Options

The DNS-1550-04 offers a comprehensive range of backup options which allow administrators and users to control how, when and where their data is stored. Use the USB ports to back up folders from NAS to a flash drive. Users can also take a volume snapshot, back up to Cloud storage, or remotely back up to a server by using an rsync backup utility. Many third-party backup solutions like Acronis Backup & Recovery are also supported.

### iSCSI for IP Networks

iSCSI offers fast access performance thanks to block-level data transfer. iSCSI targets appear as a local drive on a client PC or host server. Operations such as configuration, provisioning, and backup can be handled by the administrator in the same way they would be for direct-attached storage (DAS). By utilizing existing Ethernet technology, the cost associated with separate host bus adapters and the per-Gigabyte cost for storage can be significantly reduced when compared versus the Fibre-Channel alternative.

business



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### Security

- CHAP Authentication
- AES 256-bit Encrypted Volumes
- System Firewall
- IP Blocking
- Connection Monitor
- SSH

### Backup

- Remote Backup
- Local Backup
- Backup Software Included
- Cloud Storage Backup
- One Touch External Backup
- Apple Time Machine Support

### Power Management

- Power Management to Conserve Energy and Extend Hard Drive Life
  - Schedule Power On/Off
  - Hard Disk Hibernation
- MAID 2.0 Technology

### Share Printers and USB Storage

USB connectivity provides the option to connect a printer to the DNS-1550-04 and utilize it as a print server, or to connect devices such as hard drives and flash storage to share on your network.

### Green Features Save Energy

The DNS-1550-04 supports Massive Array of Idle Disks (MAID 2.0) technology which enables significant power savings. It does this by automatically switching off disk drives that are not in active use. The DNS-1550-04 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-1550-04 to run more efficiently by using less electricity, allowing it to run cooler and with reduced operating costs.

### Convenient Graphical User Interface

The user interface is clean, intuitive, and professional, which dramatically increases usability. Information and functions are easily seen and found in a clear interface which users will be able to manage without requiring special IT knowledge.

## Technical Specifications

## System Features

Networking	<ul style="list-style-type: none"><li>• IEEE 802.3ad</li><li>• DHCP (Server/Client)</li><li>• TCP/IP</li><li>• iSCSI</li><li>• HTTP/HTTPS</li><li>• IPv4/IPv6</li><li>• SSH</li></ul>	<ul style="list-style-type: none"><li>• CIFS/SMB/Samba</li><li>• NFS</li><li>• AFP</li><li>• FTP</li><li>• FTP over SSL</li><li>• WebDAV</li><li>• SNMP</li></ul>	<ul style="list-style-type: none"><li>• Telnet</li><li>• LLTD</li><li>• DDNS</li><li>• PXE Server</li><li>• LUN Mapping &amp; LUN Masking</li></ul>	<ul style="list-style-type: none"><li>• NTP</li><li>• Link Aggregation</li><li>• Jumbo Frame Support</li><li>• Scheduled Downloads from Web or FTP Sites</li></ul>
Supported Hard Drive Type	• Four Hot-Swappable 3.5-inch SATA drives - Supports up to 12TB with 3TB drives			
Form Factor	• 1U Rackmount			
Ports	• 2 x 10/100/1000 Gigabit Ethernet Ports (Wake-on-LAN support)		• 5 x USB 2.0 Ports for UPS, printer and external storage (1 in front, 4 in back)	
Processor	• Intel Atom D525 Dual-Core			
RAM	• 2GB			

## System Management

Drive Management	<ul style="list-style-type: none"> <li>• Multiple Hard Drive Configurations: RAID 0/1/5/6/10/JBOD/Standard Mode</li> </ul>	<ul style="list-style-type: none"> <li>• SMART Disk Diagnostics</li> <li>• Predictive Data Migration</li> </ul>
External Storage Support:	• EXT3, EXT4, FAT32, XFS, HFS+, NTFS	
Device Management	<ul style="list-style-type: none"> <li>• Power Management</li> <li>• Online Capacity Expansion</li> <li>• Web File Manager</li> </ul>	<ul style="list-style-type: none"> <li>• E-mail Alerts</li> <li>• Resource Monitor</li> <li>• MAID 2.0</li> </ul>
Active Directory Support:	• Windows Active Directory	• Open LDAP
O/S Support:	<ul style="list-style-type: none"> <li>• Windows</li> <li>• Mac</li> <li>• Linux</li> </ul>	<ul style="list-style-type: none"> <li>• Unix</li> <li>• VMware Ready</li> </ul>
Browser Support:	<ul style="list-style-type: none"> <li>• Internet Explorer 7 or higher</li> <li>• Firefox 3.5 or higher</li> </ul>	<ul style="list-style-type: none"> <li>• Safari 5.0 or higher</li> <li>• Google Chrome</li> </ul>
File Sharing	<ul style="list-style-type: none"> <li>• Max. User Account: 4096 (Samba)</li> <li>• Max. Group: 512 (Samba)</li> </ul>	<ul style="list-style-type: none"> <li>• Max. Shared Folder: 1,024</li> <li>• Max. Concurrent Connections: 256</li> </ul>
Snapshots	• Supports up to 32 snapshots	
Multi-language Support	• English, French, German, Italian, Japanese, Korean, Simplified Chinese, Traditional Chinese, Russian, Spanish	

## Physical &amp; Environment

Power Supply	• 226 watts redundant Hot-Swappable power (80 Plus certified)
Input Voltage	• 100-240 VAC
Input Frequency	• 50-60 Hz
Input Current	• 1.5-3.5 A
Operating Temperature	• 41° to 95°F (5° to 35°C)
Humidity	• 10% to 85% non-condensing
Weight	• 16.3 lbs (7.4 kg)
Dimensions (L x W x H)	• 16.9 x 17.4 x 1.7 inches (429 x 442 x 44 mm) – fits standard 19" rack cabinet
Certifications	• BSMI, C-Tick, CE, FCC, UL, VCCI

Warranty and Service Information	
Warranty	• 5-Year Limited
Extended Warranty	• Available (See ordering information below)
Ordering Information	
<i>Part Number</i>	<i>Description</i>
DNS-1550-04	• ShareCenter® Pro 1550
DNS-1550-04-LW:	• Extended warranty for DNS-1550-04

Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details.  
Updated 10/4/2011