



# DiskStation DS1515

Synology DiskStation DS1515 is the first 5-bay Value series model with a quad-core CPU, hardware encryption engine, four built-in Gigabit LAN ports and the scalability of up to 15 drives, providing the most cost-effective storage solution for growing businesses to efficiently manage, protect, and share data. Synology DS1515 is backed with Synology's 3-year limited warranty.

## Highlights

- **First Value Series with a powerful quad-core CPU**
- **Outstanding throughput at over 403.7 MB/s Reading, 421.8 MB/s Writing<sup>1</sup>**
- **Supports both Hardware Encryption Engine and Floating-Point Unit**
- **4 x 1GbE ports with Failover and Link Aggregation support**
- **High Availability and SSD Read/Write Cache Support**
- **Scale up to 15 drives with Synology DX513<sup>2</sup>**
- **Energy efficient 5-Bay storage solution**
- **Running on Synology DiskStation Manager (DSM)**

## Optimal Price/Performance Ratio

With its generous hardware specifications, Synology DS1515 is the first Value Series model equipped with an all-new **quad-core CPU, 2GB RAM, and four Gigabit LAN Ports**. The combination of hard drives and **read/write-optimized SSD cache** support on DS1515 boosts throughput efficiently while minimizing cost per gigabyte.

With link aggregation, Synology DS1515 can deliver read and write speeds of up to **403.77 MB/s** and **421.85 MB/s** respectively under RAID 5 configuration in a Windows® environment.<sup>1</sup> Powered with hardware encryption engine, DS1515 delivers fast encrypted data transmission speeds of up to **296.54 MB/s** reading and **150.04 MB/s** writing.<sup>1</sup>

## Cross Platform File Sharing

Synology DS1515 offers comprehensive network protocol support, ensuring seamless file sharing across Windows®, Mac®, and Linux® platforms. Internet file access is simplified by using the web-based file explorer, Synology **File Station**. HTTPS, firewall, encrypted FTP server, and IP auto-block support ensure file sharing over the Internet is protected at a high security level. For users who are always on the move, Synology provides the convenient app **DS file** for popular mobile devices such as iPhone®, iPad®, Android™ devices, and Windows Phone™. Files stored on Synology DS1515 can then be accessed remotely using DS file.

## Unparalleled Flexibility

As your data storage needs grow, Synology's DS1515 can grow with you. DS1515 can be connected to dedicated expansion units for additional storage on the fly, growing capacity with minimal effort. When paired with two DX513 expansion units<sup>2</sup> through specially designed eSATA connectors, raw capacity can be as high as 120 TB.



**Figure 1) Reliability, Availability & Disaster Recovery**

Synology High Availability ensures seamless transition between clustered servers in the event of server failure with minimal impact to businesses.



**Figure 2) Superior Performance**

Multiple LAN ports with link aggregation support allows DS1515 to deliver superior performance.

## 24/7 Security Solution

Synology **Surveillance Station** offers a centralized interface to manage IP cameras deployed in your office or home, allowing users traveling miles away to safeguard the environment by watching live views, recording events, and taking snapshots with a computer or mobile device. In addition to its intuitive setup and hassle-free interface, Surveillance Station features an optimized live view experience with on-screen operations, smart analytics tools like motion detection, and an alert system that sends instant notification through SMS, e-mail, and **DS cam**.

## Resilient and Reliable

In addition to its superior performance, DS1515 is built for reliability. **Four Gigabit LAN ports** provide redundancy in the event of unexpected hardware failure while **hot swappable drives** also help to minimize system downtime during drive replacement.

Uninterrupted availability is a critical goal for all businesses; however, many businesses worldwide still remain unprepared for disaster. **Synology High Availability (SHA)** can ensure a seamless transition between clustered servers in the event of server failure with minimal impact to applications, thus decreasing the risk of unexpected interruptions and costly downtime.

## Easy Backup Solutions

To protect your valuable data, DS1515 can become a centralized backup destination for consolidating fragmented and unstructured information across your network through a range of options. Advanced backup privilege management makes network backup tasks safer and more efficient. **Cloud Station** with selective sync and **ACL control** provides real-time data backup and synchronization among multiple computers and mobile devices. Complete backup solutions including **Scheduled LUN Snapshot**, **LUN clone** and **Backup & Replication** minimize the impact of disasters.

## Energy Efficient Design

Synology DS1515 is designed with energy efficiency in mind. Equipped with two 80 x 80 mm fans and a smart airflow design to keep the system running cool 24/7, while its noise dampening design makes it much quieter than PC counterparts. Hard drive hibernation further reduces power consumption and operation costs.

All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges the responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.

# Connections & Buttons



## Technical Specifications

### Hardware

CPU	Annapurna Labs Alpine AL-314 Quad Core 1.4GHz
Hardware Encryption Engine	Yes
Floating Point	Yes
RAM Size	DDR3 2GB
Compatible Drive Type	3.5"/2.5" SATA3/SATA2 x 5 (hard drives not included)
Maximum Internal Raw Capacity	40 TB (8 TB HDD x 5) (The actual capacity will differ according to volume types)
Hot Swappable Drive	Yes
External Ports	USB 3.0 ports x 2, eSATA x 2
Size (HxWxD)	157 x 248 x 233 mm
Weight	4.15 kg
LAN	Gigabit x 4
Wake on LAN/WAN	Yes
Wireless Support	Yes (wireless dongles not included)
AC Input Power Voltage	100V to 240V
Power Frequency	50Hz to 60Hz, Single Phase
Operating Temperature	5 °C to 35 °C (40 °F to 95 °F)
Storage Temperature	-20 °C to 60 °C (-5 °F to 140 °F)
Relative Humidity	5% to 95% RH

### General

Networking Protocols	CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP)
File System	Internal: EXT4 External: EXT4, EXT3, FAT, NTFS, HFS+
Storage Management	Max File System Size: 108 TB, Max Internal Volume #: 256, Max iSCSI Target #: 32, Max iSCSI LUN#: 256; Raid Clone/Snapshot support; Supported RAID Type: Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10; Synology Expansion Unit Support: DX513, DX213
File Sharing Capability	Max User Account: 2048, Max Group: 256, Max Shared Folder: 256, Max Concurrent CIFS/AFP/FTP Connections: 512
Privilege	Windows Access Control List (ACL)
Directory Service	Windows AD Integration: Domain Users login via Samba (CIFS)/AFP/FTP/File Station, LDAP Integration
Security	FTP over SSL/TLS, IP Auto-Block, Firewall, Encrypted Network Backup over Rsync, HTTPS Connection
Utilities	Synology Assistant, Cloud Station, Evidence Integrity Authenticator, Photo Station Uploader, NFS Plug-in for VMware VAAI
Supported Clients	Windows XP onward, Mac OS X 10.5 onward, Ubuntu 9.04 onward
Supported Browsers	Chrome®, Firefox® Internet Explorer®: 8 or onward, Safari® 5 or onward, Safari (iOS 5 or later on iPad®), Chrome (Android™ 4.0 on tablets)
Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

## Applications

File Station	Virtual Drive, Remote Folder Mounting, Windows ACL Editor, Compress/Extract Archived Files, Bandwidth Control for Specific Users or Groups, Create Sharing Links, Transfer Logs
Backup Solutions	Network Backup, Local Backup, Desktop Backup, Configuration Backup, OS X Time Machine, Backup Data to Amazon Glacier, Shared Folder Sync - Max Task Number: 4
Mail Server	Supported Mail Server Protocols: POP3, SMTP, IMAP, Support LDAP/AD Account
FTP Server	Bandwidth Control for TCP Connections, Custom FTP Passive Port Range, Anonymous FTP, FTP SSL/TLS and SFTP Protocols, Boot over the Network with TFTP and PXE Support, Transfer Log
Web Station	Virtual Host (up to 30 websites), PHP/MariaDB 3rd-Party Applications Support
Printer Server	Max Printer #: 2, Printing Protocols: LPR, CIFS, IPP, Apple iOS Printing, Google Cloud Print™, Multi Functional Print Server (MFP Functions are for Windows PC Only)
High Availability Manager	Combines two Synology NAS Servers into one High-Availability cluster (or HA cluster)
Security Advisor	Malware Detection/Removal, User Account/Password, Network, System-Related Security Scan
Storage Analyzer	Volume and Quota Usage, Total Size of Files, Volume Usage and Trends Based on Past Usage, Size of Shared Folders, Largest/Most/Least Frequently Modified Files
Log Center	SSL Connection, Log Rotation: 6 Months, 1 Year, 2 Years, 3 Years, Email Notification
iOS/Android™ Applications	DS audio, DS cam, DS cloud, DS download, DS file, DS finder, DS photo+, DS video, DS note
Windows™ Phone Applications	DS audio, DS download, DS file, DS finder, DS photo+, DS video

## Add-on Packages

Surveillance Station	Default IP cam #: 2, MAX IP cam # (licenses required): 30 (with two free licenses to install two IP cameras. Additional licenses can be purchased to expand the license quota.)
VPN Server	Maximum Connections: 15, VPN Method: PPTP, OpenVPN™, L2TP
Mail Station	Webmail Interface for Mail Server, Receiving Mails from Multiple POP3 Mailboxes, Customizable SMTP Server
Antivirus Essential	Full System Scan, Scheduled Scan, White List Customization, Virus Definition Auto Update
Cloud Station	Maximum Concurrent File Transfers: 256, Retain Historical and Deleted File Versions
Cloud Sync	Data Sync with Public Cloud Services: Dropbox, Google Drive, Baidu, Microsoft OneDrive, Box and hubiC
DLNA®/UPnP® Media Server	DLNA Compliant, PS3®/Xbox 360® Supported
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks: 50
Note Station	Rich-Text Note Organization with Versioning, Encryption, Sharing, Media Embedding and Attachments
Other Packages	Photo Station, Audio Station, iTunes® Server, 3rd-Party Packages

## Environment and Packaging

Environment	RoHS Compliant
Package Content	DS1515 Main Unit, Welcome Note, Accessory Pack, AC Power Cord, RJ-45 LAN Cable X 2
Optional Accessories	Remote, Camera License Pack, Expansion Unit (DX513, DX213)
Warranty	3 Years

\*Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

1. Performance figures could vary on different environments.
2. DS1515 supports up to two Synology DX513/DX213, sold separately.

## SYNOLOGY INC.

Synology is dedicated to taking full advantage of the latest technologies to bring businesses and home users reliable and affordable ways to centralize data storage, simplify data backup, share and sync files across different platforms, and access data on-the-go. Synology aims to deliver products with forward-thinking features and the best in class customer services.

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### Headquarters

Synology Inc. 3F-3, No. 106, Chang An W. Rd., Taipei, Taiwan Tel: +886 2 2552 1814 Fax: +886 2 2552 1824

### China

Synology Shanghai  
20070, Room 516, No. 638,  
Hengfeng Rd., Zhabei Dist.,  
Shanghai

### France

Synology France SARL  
39 rue Louis Blanc,  
92400 Courbevoie  
France  
Tel: +33 147 176288

### North & South America

Synology America Corp.  
3535 Factoria Blvd SE #200,  
Bellevue, WA 98006  
USA  
Tel: +1 425 818 1587

### United Kingdom

Synology UK Ltd.  
Unit C, Denbigh West Business Park,  
Third Avenue, Bletchley,  
Milton Keynes, MK1 1DH, UK  
Tel: +44 1908 366380

### Germany

Synology GmbH  
Grafenberger Allee 125  
40237 Düsseldorf  
Deutschland  
Tel: +49 211 9666 9666