Synology®

DiskStation DS715

Synology® DiskStation DS715 is the first 2-bay Value Series model with a quad-core CPU, hardware encryption engine, and the scalability of up to 7 drives, providing the most cost-effective storage or surveillance solution for growing businesses to efficiently manage, protect, and share data. Synology DS715 is backed with Synology's 2-year limited warranty.

Highlights

- Quad-core 1.4GHz CPU with hardware encryption engine
- 2GB RAM for boosted multitasking performance
- Dual LANs with link aggregation and failover support
- Scale up to 7 drives with Synology DX513[2]
- Compact surveillance solution hosting up to 30 IP cameras (900 FPS @ 720p)
- Running on Synology DiskStation Manager (DSM)

Optimal Price/Performance Ratio

Synology DS715 is the first Value Series model equipped with a powerful **quad-core CPU** with **hardware encryption engine**, **2GB RAM**, and **two Gigabit LAN ports**. With link aggregation, Synology DS715 can deliver read and write speeds of up to **216.1 MB/s** and **142.5 MB/s** respectively under RAID 5 configuration in a Windows® environment.[1] Powered with hardware encryption engine, DS715 delivers fast encrypted data transmission speeds of up to **205.58 MB/s** reading and **77.62 MB/s** writing.[1]

Cross Platform File Sharing

Synology DS715 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 DS715 can then be accessed remotely using DS file.

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. DS715 is an ideal surveillance solution as it is capable of hosting up to **30 IP cameras** (900 FPS @ 720p). 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 **DS cam**, SMS, and e-mail.

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) Flexible Scalability

DS715 can expand its capacity on the fly and enlarge volumes across its expansion unit for storage or backup.

Resilient and Reliable

In addition to its superior performance, DS715 is built for reliability. **Two 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, DS715 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.
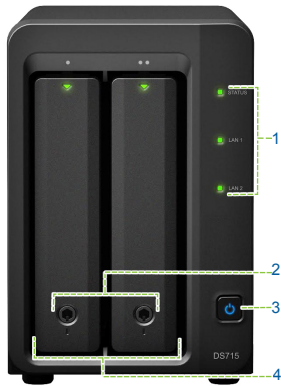
Unparalleled Flexibility

As your data storage needs grow, Synology's DS715 can grow with you. DS715 can be connected to a dedicated expansion units for additional storage on the fly, growing capacity with minimal effort. When paired with one DX513 expansion unit[2] through specially designed eSATA connector, raw capacity can be as high as 56TB.

Energy Efficient Design

Synology DS715 is designed with energy efficiency in mind. Compared with its average PC counterpart, Synology DS715 consumes relatively little power at **21.37 watts** while accessing and **9.37 watts** when hard drive hibernation is enabled. Wake on LAN/WAN and scheduled power on/off 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

#		#	
1	LED indicators	5	Fan
2	Tray locks	6	USB 3.0 ports
3	Power	7	eSATA port
4	Hard drive trays	8	LAN ports
		9	Power port
		10	RESET

Technical Specifications

Hardware

CPU	Annapurna Labs Alpine AL-314 Quad Core 1.4GHz
Hardware encryption engine	Yes
Floating point unit	Yes
RAM size	DDR3 2GB
Compatible drive type	3.5"/2.5" SATA III/II x 2 (hard drives not included)
Maximum internal raw capacity	16 TB (8 TB HDD x 2) (The actual capacity will differ according to volume types)
Hot swappable drive	Yes
External ports	USB 3.0 ports x 2, eSATA x 1
Size (HxWxD)	157 x 103.5 x 232 (mm)
Weight	1.69 kg
LAN	Gigabit x 2
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	Maximum single volume size: 108TB, Maximum internal volume #: 256, Maximum iSCSI Target #: 32, Maximum iSCSI LUN#: 256; iSCSI Clone/Snapshot support; Supported RAID Type: Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1; with DX513/DX213: RAID 10; with DX513: RAID 5, RAID 6
File sharing capability	Maximum user account: 2048, Maximum user group: 256, Maximum shared folder: 256, Maximum 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, Time Backup - Max Task Number: 4, 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 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	Maximum IP camera #: 30. (total of 900 FPS at 720p, H.264) (Including two free camera licenses. Procurement of additional licenses is required.)
VPN Server	Maximum connections: 15, Supported VPN protocols: 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	DS715 main unit, Welcome note, accessory pack, AC power adapter, RJ-45 LAN cable x 2
Optional accessories	Camera License Pack, Expansion Unit (DX513, DX213)
Warranty	2 years

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

1. Performance figures could vary on different environments.
2. DS715 supports up to one Synology DX513 or DX213, sold separately.

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