



## DiskStation DS415+

Synology DiskStation DS415+ comes with an all-new quad core CPU with AES-NI hardware encryption engine, providing outstanding performance and data encryption acceleration for small and medium-sized business users who need to centralize data backups, protect critical assets and share files across different platforms. Synology DS415+ is backed with Synology's 2-year limited warranty.

### Highlights

- **Quad Core CPU with AES-NI Hardware Encryption Engine**
- **Outstanding Throughput at over 225.81 MB/s Reading, 223.86 MB/s Writing**
- **Astonishing Encryption Acceleration at over 225.84 MB/s Reading, 171.82 MB/s Writing**
- **2 LAN with Failover and Link Aggregation Support**
- **VMware, Citrix & Microsoft Hyper-V Ready**
- **Running on Synology DiskStation Manager (DSM)**

### Satisfy Your Need for Both Performance and Safety

Synology DS415+ is a full-featured 4-drive-bay network attached storage solution specifically designed for small and medium-sized business users who care about high performance throughput and safety for data sharing and backup. With Link Aggregation enabled, DS415+ delivers an average 225.81 MB/s reading and 223.86 MB/s writing speed under RAID 5 configuration in a Windows® environment.<sup>1</sup>

Powered by its **Quad Core CPU** and **AES-NI hardware encryption engine**, DS415+ also delivers astonishing encryption acceleration at over 225.84 MB/s reading and 171.82 MB/s writing, allowing for encrypted data transmission 7 times faster than its predecessor.

### Comprehensive Business Applications

Powered by the innovative **Synology DiskStation Manager (DSM)**, DS415+ comes fully-equipped with applications and features designed specifically for SMB users:

- Easy integration with existing business network environments through **Windows® AD** and **LDAP** directory services without recreating user accounts.
- **Windows ACL** support provides fine-grained access control and efficient privilege settings, allowing DS415+ to fit seamlessly into current infrastructure.
- Internet file access is simplified by the encrypted FTP server and the web-based file explorer, **Synology File Station**. HTTPS, firewall, and IP auto-block support ensure file sharing over the Internet is protected with a high level of security.
- **Synology Cloud Station** allows users to sync files among multiple devices, including Windows PC, Mac, Linux, iOS and Android tablets or smart phones, effortlessly keeping everything up-to-date.



### Cross-platform File Synchronization

Auto-synchronize your files among DiskStation, PC and mobile devices using Synology Cloud Station.



### Anytime Availability

Access your DiskStation anywhere using Synology mobile apps.

### Virtualization Ready

With iSCSI support in DSM, DS415+ provides seamless storage solutions for virtualization environments, including VMware®, Citrix®, and Hyper-V®. With VMware vSphere 5 and VAAI integration, DS415+ helps offload specific storage operations and optimizes computation power for unparalleled performance and efficiency in VMware environments. It is the ideal alternative to SAN solutions for businesses. Fast and cost-effective, iSCSI allows SMB users to consolidate storage into data center storage arrays while providing hosts with the illusion of locally-attached disks.

### Synology QuickConnect and Anywhere Access

For users whose network environment lacks a public IP address or the ability to configure port-forwarding, **QuickConnect** provides a relay service for you to access your Synology NAS from anywhere around the globe, even when it's hidden in a local area network. With a customizable QuickConnect ID, you can log in to Synology NAS using the DSM browser interface, Synology desktop utilities, and mobile apps.

Synology provides mobile applications that let you access files stored on DS415+ even when you're on the go, providing more flexible ways to work. Available on iOS, Android™ and Windows Phone platforms, **DS file** lets you access and manage files in DS415+ whenever required, while **DS cloud** provides real-time data synchronization of specified shared folders on your NAS, computers and mobile devices, making private cloud management fast and easy.

### Data Backup and Safety

DS415+ supports **Synology High Availability**, harnessing an active and a passive server into one cluster, with data on the latter always mirrored to the former. Should the main server malfunction, the passive server immediately kicks in and takes over all running services and data.

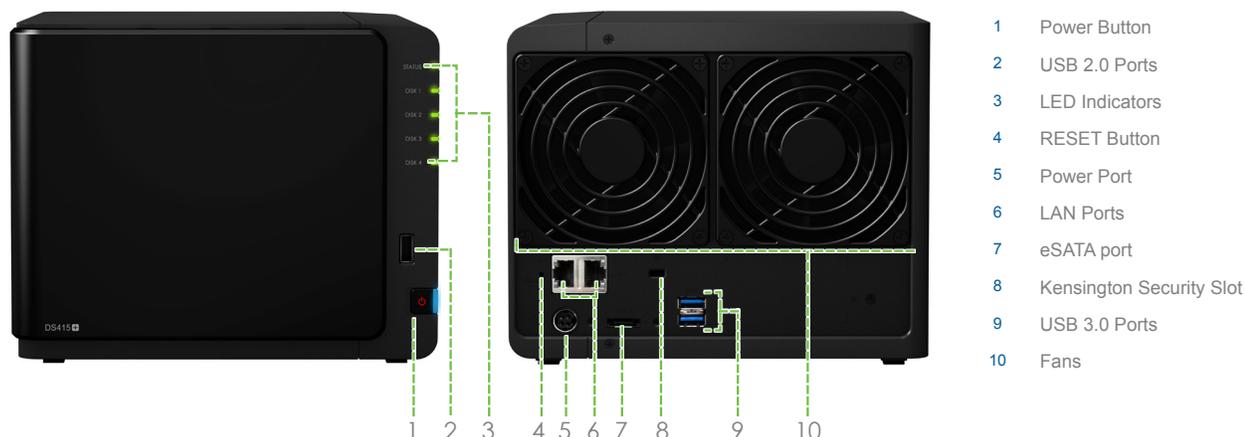
**Synology Hybrid RAID** allows you to optimize usage and get the most out of your hard drives, while also keeping your storage safe with data redundancy. Complete backup solutions including **LUN Snapshot**, **LUN clone** and **Backup & Replication** minimize the impact of disasters.

### Energy Efficient with Cool and Quiet Design

Synology DS415+ is designed with energy efficiency in mind. Equipped with two 92 X 92 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	Intel Atom C2538 Quad Core 2.4GHz
Hardware Encryption Engine	Yes (AES-NI)
Floating Point	Yes
Memory	2GB DDR3
Internal HDD/SSD	3.5" or 2.5" SATA(III) X 4 (hard drives not included)
Max Internal Capacity	24TB (4 X 6TB HDD) (The actual capacity will differ according to volume types)
External Ports	USB 3.0 X 2, USB 2.0 X 1, eSATA X 1
Size (HxWxD) (mm)	165 X 203 X 233.2
Weight	2.05 Kg
LAN	Gigabit X 2
Wake on LAN/WAN	Yes
Wireless Support (dongle)	Yes
AC Input Power Voltage	100V to 240V AC
Power Frequency	50 / 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: 108TB, Max Internal Volume #: 512, 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
File Sharing Capability	Max User Account: 2048, Max Group: 256, Max Shared Folder: 512, 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
Supported Clients	Windows XP onward, Mac OS X® 10.5 onward, Ubuntu 9.04 onward
Supported Browsers	Chrome®, Firefox® Internet Explorer®: 8 or later, Safari® 5 or later, 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
Backup Solutions	Network Backup, Local Backup, Desktop Backup; Shared Folder Sync - Max Task Number : 8, Configuration Backup
Mail Server	Supported Mail Server Protocols: POP3, SMTP, IMAP
FTP Server	Bandwidth Control, Custom FTP Passive Port Range, Anonymous FTP, Transfer Log
Web Station	Virtual Host (up to 30 websites), PHP/MySQL®, 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)
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 note, DS photo+, DS video
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): 40 (with two free licenses to install two IP cameras. Additional licenses can be purchased to expand the license quota.)
VPN Server	Maximum Connections: 20, 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: 512, 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 Certified, PS3®/Xbox 360® Support
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks : 80
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	DS415+ Main Unit, Welcome Note, Accessory Pack, AC Power Cord, AC Power Adapter, RJ-45 LAN Cable X 2
Optional Accessories	Remote, Camera License Pack
Warranty	2 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 may vary depending on the environment.

## 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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