



# DiskStation DS2415+

Synology DiskStation DS2415+ features an all-new quad core CPU with an AES-NI hardware encryption engine, providing outstanding performance and data encryption acceleration. With four built-in Gigabit LAN ports and scalability of up to 24 drives, Synology DS2415+ is the ideal storage solution for centralizing data backups, protecting critical assets and sharing files across different platforms. Synology DS2415+ is backed with Synology's 3-year limited warranty.

## Highlights

- **Quad Core CPU Delivers 451.5 MB/s Reading, 415.49 MB/s Writing**
- **AES-NI Hardware Encryption Engine Boosts Encryption Transfer at over 451.21 MB/s Reading, 198.46 MB/s Writing**
- **Four Gigabit LAN Ports with Failover and Link Aggregation Support**
- **Scale up to 24 drives with Synology DX1215**
- **Expandable RAM Module (Up to 6GB)**
- **VMware®, Citrix®, Microsoft® Hyper-V® Certified**
- **High Availability and SSD Read/Write Cache Support**
- **Running on Synology DiskStation Manager (DSM)**

## Safeguards Your Big Data with Superior Performance

In the era of big data, finding a place to store and share tones of business files while maintaining data safety is extremely important for small and medium-sized businesses, and Synology DS2415+ is the ideal solution. With a brand-new **quad core CPU**, built-in **AES-NI hardware encryption engine** and **expandable RAM module up to 6GB**, DS2415+ delivers up to an average **451.5 MB/s reading** and **415.49 MB/s writing** speed under RAID 5 configuration in a Windows® environment,<sup>1</sup> and an encrypted data transmission at over **451.21 MB/s reading** and **198.46 MB/s writing**.

## Virtualization Certified

DS2415+ provides seamless storage solutions for virtualization environments, including **VMware®**, **Citrix®**, and **Hyper-V®**. Being **VMware vSphere® 5** and **VAAI®** integration certified, DS2415+ helps offload specific storage operations and optimizes computation power for unparalleled performance and efficiency in VMware environments. As the centralized storage of a virtual environment, DS2415+ enables virtual machine migration, allowing movement from server to server whilst eliminating service downtime and disruption to user. **Windows® Offloaded Data Transfer (ODX)** and **Synology Advanced LUN** support extremely improves the efficiency on massive data transfer and migration.

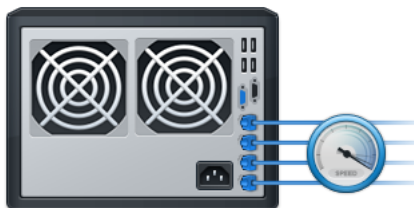
## Feature-Rich Business Applications

Put your data to work with Synology's DS2415+. With **Windows® ACL** and **LDAP** support, DS2415+ fits easily into any existing workgroup environment, providing detailed access control and efficient privilege settings. SMB applications including **printer sharing**, **VPN Server**, **Mail Server**, **web server**, **anti-virus**, and **network video surveillance**, allow a single Synology DS2415+ to replace several traditional computing devices and help to maximumimize your productivity while keeping cost and effort to a minimum.



**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 DS2415+ to deliver superior performance.

### Resilient and Reliable

In addition to its superior performance, DS2415+ 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. **High Availability Manager** 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.

### Unparalleled Flexibility

As your data storage needs grow, Synology's DS2415+ can grow with you. DS2415+ can be connected to dedicated expansion units for additional storage on the fly, growing capacity with minimal effort. When paired with **Synology DX1215 expansion units**<sup>2</sup> through specially designed expansion cable, raw capacity can be as high as 144TB.

### Easy Backup Solutions

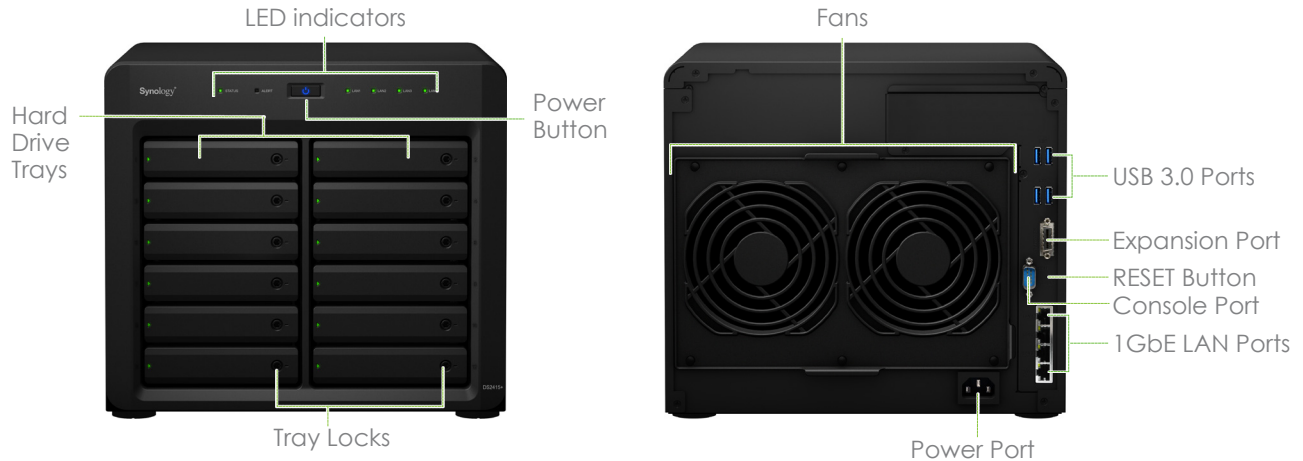
To protect your critical business data, DS2415+ can become a centralized backup target for consolidating fragmented and unstructured information across your network through a range of options. Advanced backup privilege management makes network backup tasks safer and efficient. **Cloud Station** with 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 and Easy Management Design

Synology DS2415+ is designed with energy efficiency in mind. Equipped with a **fast detachable fan module** with two 120 X 120mm fans and a smart airflow design, DS2415+ runs 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. **Screwless drive trays** make failed drive replacement fast and tool-free.

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 Unit	Yes
RAM Size	DDR3 2 GB (Expandable up to 6 GB)
Internal HDD/SSD	3.5" or 2.5" SATA(III) X 12 (hard drives not included)
Maximum Internal Raw Capacity	72 TB (6 TB HDD X 12) (The actual capacity will differ according to volume types)
Hot Swappable Drive	Yes
External Ports	USB 3.0 ports X 4, expansion port X 1
Size (HxWxD)	270 X 300 X 340 mm
Weight	9.24 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	50 Hz to 60 Hz, 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: 108 TB, Maximum Internal Volume #: 512, Maximum iSCSI Target #: 32, Maximum 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	Maximum User Account: 2048, Maximum Group: 256, Maximum Shared Folder: 512, 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
Virtualization	VMware vSphere® 5, Microsoft Hyper-V®, Citrix® Certified
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 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
Backup Solutions	Network Backup, Local Backup, Desktop Backup, Shared Folder Sync - Maximum 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	Maximum 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 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, Maximum 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™
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 compliant, PS3®/Xbox 360® supported
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	DS2415+ Main Unit, Welcome Note, Accessory Pack, AC Power Cord, RJ-45 LAN Cable X 2
Optional Accessories	Remote, Camera License Pack, Expansion Unit (DX1215), 4GB DDR3 RAM Module
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. DS2415+ supports one Synology DX1215, 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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