

## DiskStation DS213+

Synology® DiskStation DS213+ is a high-performance 2-bay all-in-1 NAS server for SMB users. Offering high-performance, energy efficiency, and full list of business features in a network attached storage solution that helps small and medium-sized businesses centralize backup, protect critical assets and share files quickly and efficiently.

### Highlights

- Dual Core™ CPU with Floating-Point Unit
- Extra Power-saving System Hibernation
- 111.2 MB/sec Reading, 81.4 MB/sec Writing
- Hardware Encryption Engine
- Features SuperSpeed USB 3.0
- Windows® ADS and LDAP Directory Service Support
- Hassle-free System Installation
- Running on Synology DiskStation Manager (DSM)

### Dual Core Performance with Smart Energy Management

With Duo Core processing power, Synology DS213+ delivers an average 81.4 MB/sec writing speed under RAID 1 configuration in a Windows® environment, and 111.2 MB/sec reading<sup>1</sup>. The built-in Floating-Point Unit makes for faster thumbnail processing to enhance photo viewing at different resolutions. Coming with USB 3.0 support which offers transmission speeds of up to 5 Gbps, namely 10 times faster than USB 2.0, DS213+ takes less time for data transfer for external hard drives and consumes less power.

Synology DS213+ delivers high performance when needed, but during low activity level it also uses very small amount of power. During System Hibernation mode, DS213+ consumes only 2.6 watts of power to listen for network activities, and resumes back to operation in very short amount of time upon demand. Compared to shutting off the whole system, System Hibernation brings a closer balance between smart energy management and system responsiveness.

### Fit to Business Environment

Comprehensive network protocol support assures seamless file sharing across Windows, Mac®, and Linux® platforms. Windows ADS and LDAP integration allows the Synology DS213+ to quickly and easily fit in an existing business network environment with no need to recreate user accounts. Windows ACL support provides much finer-grained access control and efficient privilege settings, allowing users to enjoy native Windows experience.

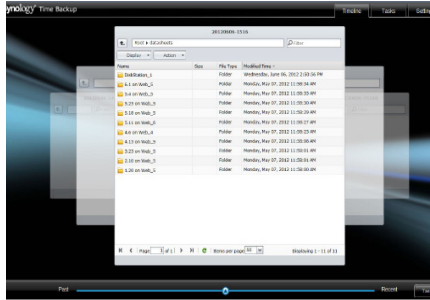
Internet file access is simplified by the encrypted FTP server and the web-based File Station. HTTPS, the built-in firewall, and IP auto-block support ensure file sharing over the Internet is protected at a high security level.

### Rich Office Applications

Synology DiskStation DS213+ runs on renowned multitasking operating system, the Synology DiskStation Manager (DSM). Offering a comprehensive list of business applications, the DS213+ can be customized to run multiple applications of your choice to fulfill the requirement of your business environment. The DS213+ replaces several pieces of traditional network hardware with rich features designed specifically for workgroups and offices such as antivirus, video surveillance, webmail, VPN, and LDAP directory services.

Applications are managed in the Package Center, an application portal that hosts applications as ready-to-use packages; to ensure high software integration as well as one-click-installation to eliminate guess work during installation. Additional approved 3rd party PHP web application such as content management, customer relationship management & e-commerce system can be hosted on DS213+ by using Web Station with support for PHP/MySQL® web content.





**Figure 1) Time Backup.**  
 Synology's Time Backup is an innovative backup solution that lets you easily browse through different backup versions, and restore with a click whenever there is a need.

## Effective Backup Solutions

Synology DS213+ offers a centralized backup target to consolidate fragmented and unstructured data across a network. PC users can back up their data to Synology DS213+ using Synology Data Replicator software, and Mac OS X® users enjoy native Apple® Time Machine® integration.

A backup wizard is provided for backing up data from DS213+ to another Synology DiskStation or any rsync server via an encrypted connection, or to an external hard drive via USB 3.0 or eSATA connection. The wizard also makes it easy to back up DiskStation data to the cloud via Amazon S3® or STRATO HiDrive. In addition, users can back up and restore DiskStation shared folders in multiple versions using Synology Time Backup package.

Shared Folder Sync allows users to synchronize a specific folder from Synology DS213+ to another DiskStation– a server-to-client backup mechanism that takes place whenever something is changed on the server side. Users will be able to share documents within their local office seamlessly and safely with encrypted connection. When your DiskStation is down, you will be able to have an immediate backup running in no time.

You can have your own cloud by using Cloud Station to freely access and sync file across different computers. Cloud Station keep multiple versions of a document in case of accidentally delete or upon any change.

## Hassle-free System Installation

Web Assistant is a web-based utility to makes every DiskStation as easy to install as possible. Installation is done inside your existing web browser by setting up all vital system components in few simple steps. Combined with a quick start widget, users can simultaneously tour the DSM operating system and setup to use right away.

## Peace of Mind with Data Encryption

The Synology DS213+ is equipped with an encryption engine which offloads the encryption calculation task away from the main CPU, helping to improve file transfer speeds of the DiskStation.

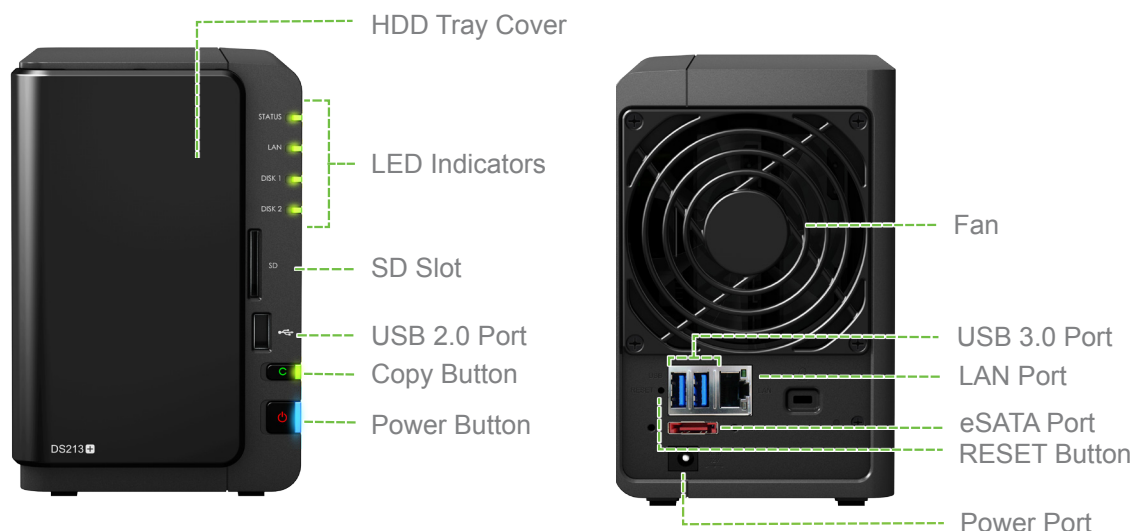
Data protection is an important matter for businesses of all sizes. High-end features previously available only on enterprise level hardware are now accessible via Synology DS213+ to small and medium-sized businesses. DS213+ provides share-level AES 256-bit encryption to aid in the prevention of unauthorized access attempts to the hard drives.

## Energy Efficient with Cool and Quiet Design

Synology DS213+ is designed with energy efficiency in mind. Not only does it provide a 92x92 mm fan and the smart airflow to keep the system running cool 24/7, its noise dampening design makes it really quiet compared to PC counterparts. The support of multiple scheduled power on/off and System Hibernation can further reduce power consumption and operation cost.

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<sup>2</sup>

### Hardware

CPU Frequency	1.067GHz Duo Core
Floating Point	Yes
Hardware Encryption Engine	Yes
Memory	DDR3 512MB
Internal HDD/SSD	3.5" or 2.5" SATA(II) X 2 (hard drives not included)
Max Internal Capacity	8TB (2X 4TB hard drives) (The actual capacity will differ according to volume types.)
Hot Swappable HDD	Yes
External Storage Interface	1X USB 2.0 port, 2X USB 3.0 ports, 1X eSATA port, 1X SD card slot
Size (HxWxD)	165mm X 108mm X 233.2mm
Weight	1.25kg
LAN	1X Gigabit
Wireless Support (wireless dongles not included)	Yes
Wake on LAN/WAN	Yes
Noise Level <sup>3</sup>	19.8 dB(A)
AC Input Power Voltage	100V to 240V
Power Frequency	50Hz to 60Hz, Single Phase
Power Consumption <sup>4</sup>	22.2 W (Access); 2.64 W (System Hibernation)
Operating Temperature	5°C to 35°C (40°F to 95°F)
Storage Temperature	-10°C to 70°C (15°F to 155°F)
Relative Humidity	5% to 95%RH

### Applications

File Station	Virtual Drive, Remote Folder
Backup Solutions	Network Backup, Local Backup, Desktop Backup (Window: Synology Data Replicator; Mac®: Apple® Time Machine® backup application), Shared Folder Sync - Max Task Number : 4, Configuraiton Backup, USBCopy/SDCopy, LUN Backup - Max Task Number: 2
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 AirPrint™, Google Cloud Print™, Multi Functional Print Server (MFP functions are for Windows® PC only)
iOS/Android™ Applications	DS photo+, DS audio, DS cam, DS file, DS finder
Windows Phone Applications	DS finder

# Technical Specifications

## Add-on Packages

Surveillance Station	Default IP cam #: 1, MAX IP cam # (licenses required): 12 (1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.)
Directory Server	LDAP Directory Server, Backup and Restore LDAP Database
VPN Server	Maximum Connections : 15, VPN Method: PPTP, OpenVPN™
DHCP Server	Independent DHCP Server on Different Network Interfaces, Multiple Subnets Support, Address Reservation
Syslog Server	SSL Connection, Log Rotation: 6 months, 1 year, 2 years, 3 years, Email Notification
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
Time Backup	Maximum Task Number : 4, Multiple File Versions Retained, Instant File Restoration
Cloud Station	Maximum User Accounts : 16, Retain Historical and Deleted File Versions
DLNA®/UPnP® Media Server	PS3®/Xbox 360® Support
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks : 50
Other Packages	Photo Station, Audio Station, iTunes® Server, 3rd-Party Packages

## General

Networking Protocols	CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™)
File System	EXT4, EXT3 (External Disk Only), FAT (External Disk Only), NTFS (External Disk Only)
Storage Management	Max File System Size: 16TB, Max Internal Volume #: 256, Max iSCSI Target #: 10, Max iSCSI LUN#: 10, Supported RAID Type : Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1
File Sharing Capability	Max User Account: 2048, Max Group: 256, Max Shared Folder: 256, Max Concurrent CIFS/AFP/FTP Connections : 256
Privilege	Windows Access Control List (ACL)
Directory Service	Windows ADS Domain Integration, LDAP Integration
Security	FTP over SSL/TLS, IP Auto-Block, Firewall, Encrypted Network Backup over Rsync, HTTPS Connection
Utilities	Synology Web Assistant, Synology Assistant, Synology Data Replicator
Supported Clients	Windows XP onward, Mac OS X 10.5 onward, Ubuntu 9.04 onward
Support Browsers	Chrome, Internet Explorer®: 8, 9, Firefox®, Safari® (Mac): 5
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

## Environment and Packaging

Environment	RoHS Compliant
Package Content	DS213+ Main Unit, Installation Disc, Welcome Note, Assembling Kit, AC Power Cord, AC Power Adapter, RJ-45 LAN Cable X1
Optional Accessories	Remote, Camera License Pack
Warranty	2 Years

1. The performance figures could vary on different environments.
2. Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.
3. Fully loaded with Seagate® ST31000520AS hard drive(s) in operation; Two G.R.A.S. Type 40AE microphones, each set up at 1 meter away from the DiskStation front and rear;  
Background noise: 17.0 dB(A); Temperature: 22.0°C; Humidity: 64.4%; More details about dB(A) value, check <http://www.memtechacoustical.com/facts.asp>
4. Measured with 2 Western Digital® 3TB WD30EZRS hard drives. The figures could vary on different environments.

## 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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