



DiskStation DS114

Synology® DiskStation DS114 is a feature-rich 1-bay NAS specifically designed to facilitate easy management and storage of digital contents. Running on Synology DiskStation Manager (DSM), DS114 enjoys the full versatility of applications Synology has to offer.

Highlights

- **CPU with Floating-Point Unit**
Enabling Fast Multimedia Processing
- **512MB RAM for Increased**
Multi-Tasking Power
- **Features SuperSpeed USB3.0**
- **Quiet & Smart Cooling**
- **Quick & Easy System**
Installation
- **Running on Synology**
DiskStation Manager (DSM)

Optimal Price/Performance Ratio

Synology DS114 is a compact, all-purpose NAS, designed to fulfill a variety of requirements for small business and home users in single hard drive storage. For a one-bay value model DS114 delivers remarkable read/write performance - an average 74.25 MB/sec writing speed in a Windows® environment, and over 108.99 MB/sec reading.¹ The built-in floating-point unit enhances the overall capability of the main CPU, and is particularly advantageous in speeding up thumbnail processing, making photo viewing a refreshingly new experience. With RAM twice the size of its predecessor, DS114 exhibits a surprising boost in multi-tasking performance. DS114 also comes with two SuperSpeed USB 3.0 interfaces with up to 5 Gbps transmission speed, and an eSATA interface to power an external hard drive.

DS114 is extremely versatile in spite of its size. Running on Synology's award-winning DSM operating system, DS114 shares the rich reservoir of applications available in DSM Package Center.

Effective Backup Solutions

Synology DS114 offers a centralized backup target to consolidate fragmented and unstructured data across a network. PC users can back up their data to Synology DS114 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 Synology DS114 to another Synology NAS, to other rsync server, or to an external drive. Backing up to Amazon® S3 and Glacier cloud service is also supported. The add-on package, Time Backup, keeps DiskStation data in multiple versions, so IT administrators could easily keep track of them and restore to a previous version whenever required.



Cross-platform File Synchronization

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

Windows+ Mac+ Linux Cross Platform File Sharing

Synology DS114 offers comprehensive network protocol support, assuring seamless file sharing across Windows, Mac®, and Linux® platforms. Windows AD and LDAP integration allows Synology DS114 to fit quickly and effortlessly into any existing network environment, with no need to recreate user accounts. Cloud Station allows users to sync files among multiple devices, including Windows PC, Mac, Linux, iOS and Android™ tablets or phones, effortlessly keeping everything up-to-date. 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 at a high security level.

For users who are always on the move, Synology provides a handy app, DS file, for popular mobile devices such as iPhone®, iPad®, Android devices and Windows Phone™. Anything stored on Synology DS114 can now be accessed remotely using DS file.

Easy Setup and Management

Synology DSM 4.3 operating system offers intuitive and easy-to-use web experience. For users unfamiliar with complicated router configurations or those who simply want to save time, the Synology EZ-Internet Wizard simplifies the process of setting up access to the Synology DS114 from the Internet. EZ-Internet Wizard walks you through all of network settings including firewall, port-forwarding, PPPoE setup and DDNS registration.

The multi-tasking web UI on DSM allows users to run multiple applications simultaneously on one tab browser and switch between them instantly.

Rich Office Applications

The Mail Server package turns Synology DS114 into a dedicated mail service provider, and the USB printer sharing capability minimizes businesses' cost by sharing printing resources throughout the office. VPN Server package offers an easy VPN solution that turns your DS114 into a VPN server, providing a secure way of connecting to a private LAN at a remote location. RADIUS Server strengthens network security by overseeing wireless access authentication via RADIUS (Remote Authentication Dial-In User Service) networking protocol.



Anytime Availability

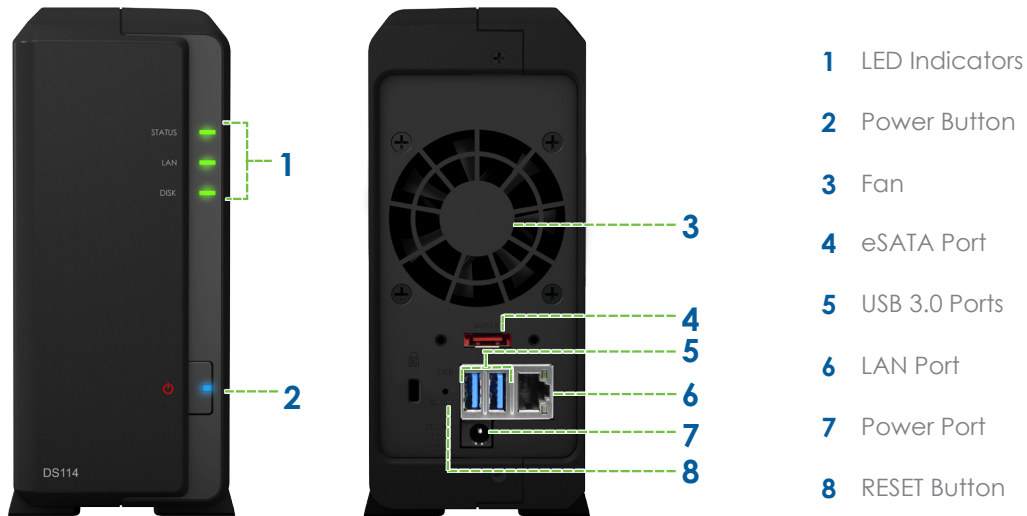
Access your DiskStation anywhere using Synology mobile apps.

Energy Efficient with Cool and Quiet Design

All Synology NAS is designed with energy efficiency in mind. Not only does DS114 provide a 60 X 60 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 Wake on LAN/WAN, multiple scheduled power on/off 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

Hardware

CPU	Marvell Armada 370 1.2GHz
Memory	DDR3 512MB
Internal HDD/SSD	3.5" or 2.5" SATA(II) X 1 (hard drives not included)
Max Internal Capacity	4TB (1 X 4TB hard drive)
Hot Swappable HDD	No
External Storage Interface	USB 3.0 ports X 2, eSATA port X 1
Size (HxWxD)	166mm X 71mm X 224mm
Weight	705g
LAN	Gigabit X 1
Wireless Support	Yes (wireless dongles not included)
Wake on LAN/WAN	Yes
Scheduled Power on/off	Yes
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	-10°C to 70°C (15°F to 155°F)
Relative Humidity	5% to 95%RH

DSM Specifications

Networking Protocols	CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP)
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 #: 1, Max iSCSI Target #: 10, Max iSCSI LUN#: 10, Supported RAID Type : Basic
File Sharing Capability	Max User Account: 2048, Max Group: 256, Max Shared Folder: 256, Max Concurrent CIFS/AFP/FTP Connections : 128
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, Cloud Station
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, Mag 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 (Window: Synology Data Replicator; Mac: Apple Time Machine backup application), Shared Folder Sync - Max Task Number : 2, 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, iOS Printing, Google Cloud Print™, Multi Functional Print Server (MFP functions are for Windows PC only)
iOS/Android Applications	DS audio, DS cam, DS cloud, DS download, DS file, DS finder, DS photo+, DS video
Windows Phone Applications	DS audio, DS file, DS finder, DS photo+, DS video

Add-on Packages

Surveillance Station	Default IP cam #: 1, MAX IP cam # (licenses required): 8 (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 : 5, VPN Method: PPTP, OpenVPN™, L2TP
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 : 2, Multiple File Versions Retained, Instant File Restoration
Cloud Station	Maximum Concurrent Download Tasks: 128; Retain Historical and Deleted File Versions
DLNA®/UPnP® Media Server	DLNA certified, PS3®/Xbox 360® Support
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks : 30
Other Packages	Photo Station, Audio Station, Video Station, iTunes® Server, 3rd-Party Packages

Environment and Packaging

Environment	RoHS Compliant
Package Content	DS114 Main Unit, Welcome Note, Accessory Pack, AC Power Cord, AC Power Adapter, RJ-45 LAN Cable
Optional Accessories	Remote, Camera License Pack
Warranty	2 Years

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

1. The performance figures vary on different environments. Synology is dedicated to continual performance enhancement. Please find the latest figures on www.synology.com.

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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