

Synology DS918+

Synology DiskStation DS918+ NAS Server User Manual

Model: DS918+

1. INTRODUCTION

The Synology DiskStation DS918+ is a high-performance 4-bay Network Attached Storage (NAS) device designed for businesses and advanced home users. It serves a variety of roles, including centralized data backup, file storage, email server, and domain controller. Powered by an Intel Celeron J3455 Quad-Core CPU and 8GB DDR3L SDRAM, the DS918+ offers robust performance for demanding applications.

This manual provides essential instructions for setting up, operating, and maintaining your Synology DiskStation DS918+ to ensure optimal performance and longevity.



Figure 1: Synology DiskStation DS918+ Front View. This image displays the front panel of the NAS, featuring four accessible drive bays, LED indicators for status and disk activity, a USB 3.0 port, and the power button.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- Synology DiskStation DS918+ unit
- AC Power Adapter
- AC Power Cord
- RJ-45 LAN Cable (x2)
- Quick Installation Guide
- Accessory Pack (screws for 2.5" drives)

Note: Hard drives and memory upgrades are included separately and require installation. They are not pre-installed in the NAS chassis.

3. SETUP AND INSTALLATION

3.1. Installing Drives

The DS918+ supports 3.5" and 2.5" SATA hard disk drives (HDDs) or solid-state drives (SSDs). This specific configuration includes 4TB (4 x 1TB) SATA III Solid State Drives. Follow these steps to install them:

1. Pull the drive tray handle to release and remove a drive tray from the drive bay.
2. For 3.5" drives: Place the drive in the tray and secure it with the side panels. No screws are typically needed for 3.5" drives in tool-less trays.
3. For 2.5" drives (like the included SSDs): Place the drive in the tray and secure it with the provided screws through the bottom of the tray.
4. Slide the drive tray back into the empty drive bay until it clicks into place.
5. Repeat for all four drives.

3.2. Connecting the NAS

After installing the drives, connect the NAS to your network and power source:

1. Connect one end of the RJ-45 LAN cable to a LAN port on the back of the DS918+ and the other end to your router, switch, or hub. The DS918+ has two 1GbE LAN ports supporting Link Aggregation for increased throughput and failover.
2. Connect the AC power adapter to the power port on the back of the DS918+ and then plug the AC power cord into a power outlet.



Figure 2: Synology DiskStation DS918+ Rear View. This image highlights the rear panel, displaying two RJ-45 1GbE LAN ports, two USB 3.0 ports, one eSATA port, the power input, and dual cooling fans.

3.3. Powering On and Initial Configuration

1. Press the power button on the front panel of the DS918+.
2. Wait for the NAS to boot up. The STATUS LED will flash green initially and then turn solid green when the system is ready.
3. Open a web browser on a computer connected to the same network and go to <http://find.synology.com> or use Synology Assistant to locate your NAS.
4. Follow the on-screen instructions to install the Synology DiskStation Manager (DSM) operating system and complete the initial setup. This includes creating an administrator account and configuring storage volumes.

4. OPERATING THE SYNOLOGY DS918+

The Synology DiskStation Manager (DSM) is an intuitive web-based operating system that allows you to manage your NAS. Key functionalities include:

- **File Station:** Manage and share files stored on your NAS.
- **Storage Manager:** Monitor disk health, create and manage storage pools and volumes.
- **Package Center:** Install various applications to extend NAS functionality, such as:
 - Cloud Station Suite for file synchronization.
 - Media Server for streaming multimedia content (supports 4K multimedia).
 - Surveillance Station for video surveillance.
 - Collaboration Suite for productivity tools.
- **Control Panel:** Configure system settings, network, users, and security features like AES 256-bit Encryption and 2-Factor Authentication.
- **Backup & Replication:** Tools for data backup and disaster recovery.

Refer to the Synology DSM Help within the operating system for detailed instructions on specific features and applications.

5. MAINTENANCE

Regular maintenance ensures the stability and performance of your Synology DS918+.

- **DSM Updates:** Regularly check for and install DSM updates via the Control Panel > Update & Restore. Updates often include security patches and new features.
- **Data Backup:** Implement a robust backup strategy. Utilize Synology's Hyper Backup or other solutions to back up critical data to external drives, another NAS, or cloud services.
- **Disk Health:** Monitor the health of your SSDs using Storage Manager. Replace failing drives promptly.
- **System Logs:** Periodically review system logs for any warnings or errors that may indicate potential issues.
- **Physical Cleaning:** Ensure proper airflow by keeping the NAS in a well-ventilated area. Periodically clean dust from the vents and fans using compressed air.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Synology DS918+.

Problem	Possible Cause	Solution
NAS not powering on	Power cable disconnected, faulty power adapter, power outlet issue.	Check power connections, try a different outlet, ensure power adapter is functional.
Cannot find NAS on network	Network cable disconnected, incorrect network settings, firewall blocking.	Verify LAN cable connection, ensure NAS and computer are on the same network, temporarily disable firewall, use Synology Assistant.
Disk status LED flashing orange	Drive degradation, bad sector, or drive failure.	Check Storage Manager in DSM for disk health details. Replace the affected drive if necessary.
Slow performance	High CPU/RAM usage, network congestion, fragmented volumes, drive issues.	Monitor Resource Monitor in DSM. Check network cables, ensure Link Aggregation is configured correctly if used. Optimize volume settings.

For more advanced troubleshooting, consult the official Synology support resources.

7. SPECIFICATIONS

Feature	Detail
Model Name	Synology DiskStation DS918+
Processor	Intel Celeron J3455 Quad-Core 1.5GHz (burst up to 2.3GHz)
Memory	8GB DDR3L SDRAM (2 x 4GB)
Drive Bays	4 (Hot-swappable)
Compatible Drive Types	3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD
Included Storage	4TB (4 x 1TB) SATA III Solid State Drives
External Ports	2 x RJ-45 1GbE LAN, 2 x USB 3.0, 1 x eSATA
LAN	2 x 1GbE (with Link Aggregation / Failover support)
File System (Internal)	EXT4, Btrfs
Operating System	Synology DSM
Dimensions (HxWxD)	19 x 17 x 8 inches (approximate, based on product dimensions)
Weight	20 pounds (approximate)
Power Supply	Single Power Supply

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Synology

website. Synology provides comprehensive technical support and resources to assist with product inquiries and troubleshooting.

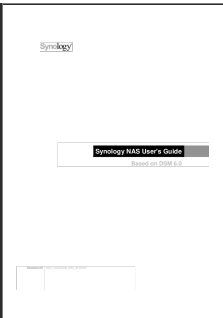
Online Resources:

- [Synology Support Center](#)
- [Synology Knowledge Base](#)
- [Synology Community Forums](#)

Always ensure you are running the latest version of Synology DSM for the best performance and security.

Related Documents - DS918+

	Synology DiskStation DS918+ Hardware Installation Guide A comprehensive hardware installation guide for the Synology DiskStation DS918+, covering package contents, setup, drive installation, memory module addition, M.2 NVMe SSD installation, and system startup.
	Synology DiskStation MIB Guide A guide detailing Synology DiskStation Management Information Base (MIB) files, their structure, supported OIDs, and how to use them with Network Management Systems (NMS) for monitoring Synology NAS devices.
	Synology NAS User's Guide: Master DSM 6.2 Features Comprehensive user guide for Synology NAS devices running DiskStation Manager (DSM) 6.2. Learn to set up, manage, share files, back up data, and utilize advanced features for optimal performance and security.
	Synology FS3400 Hardware Installation Guide This guide provides comprehensive instructions for the hardware installation of the Synology FS3400 NAS, covering setup, component installation, system maintenance, and troubleshooting.

	Synology NAS User's Guide for DSM 6.0 Comprehensive guide to Synology NAS devices running DiskStation Manager (DSM) 6.0, covering setup, system settings, storage management, file sharing, internet access, security, backup, and mobile device integration.
	Synology NAS DS1621+ Hardware Installation Guide A comprehensive guide for installing and setting up the Synology NAS DS1621+ hardware, covering package contents, hardware setup, system maintenance, and DSM installation.

Documents - Synology – DS918



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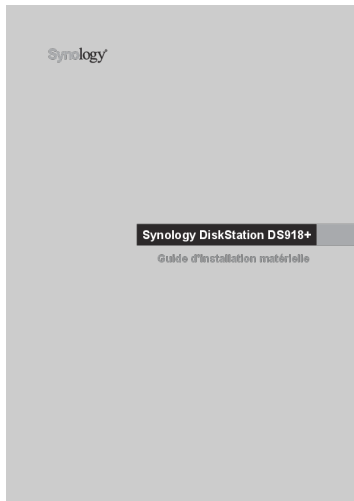
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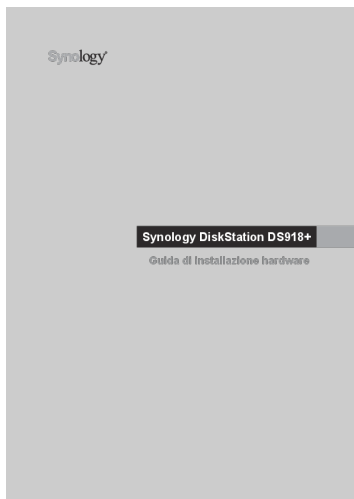


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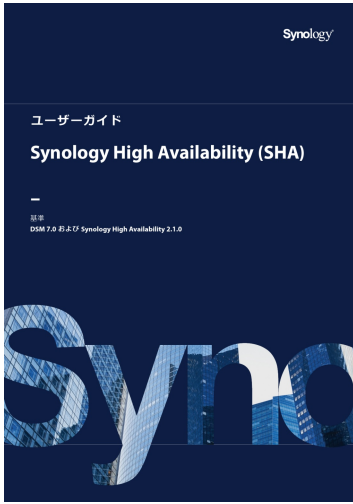


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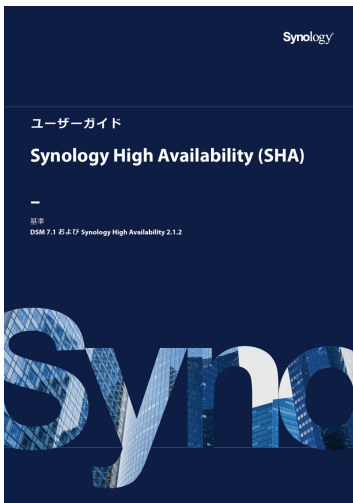
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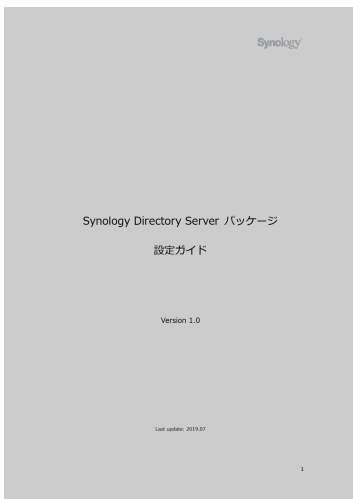
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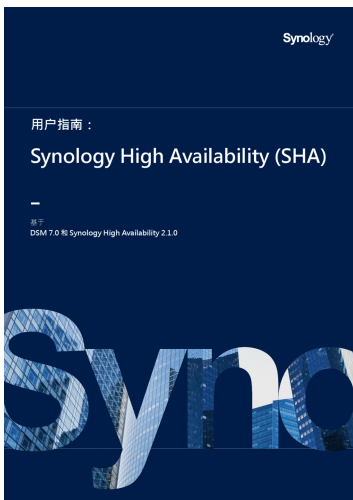


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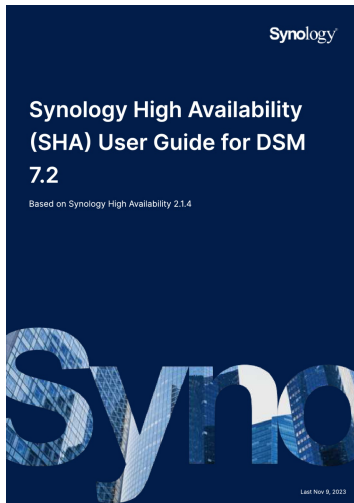


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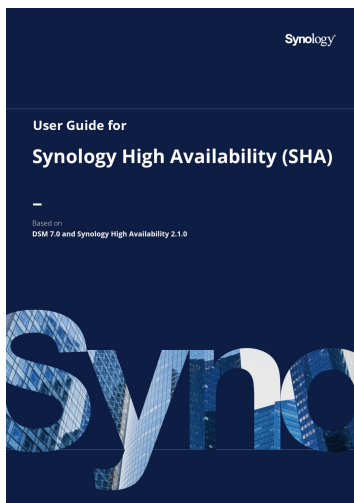


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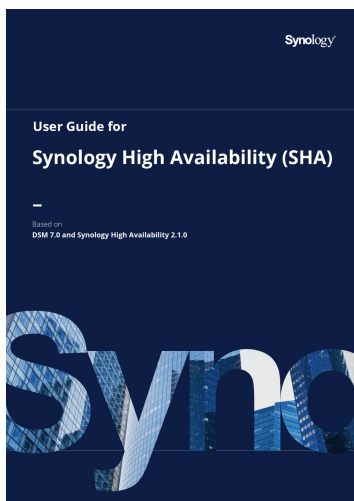


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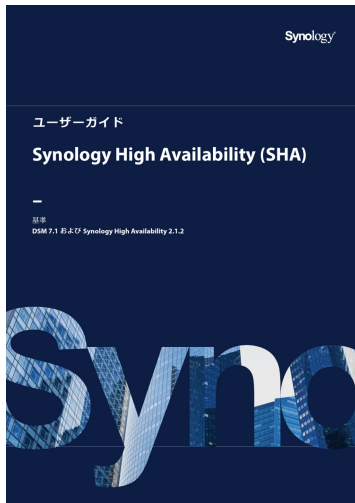


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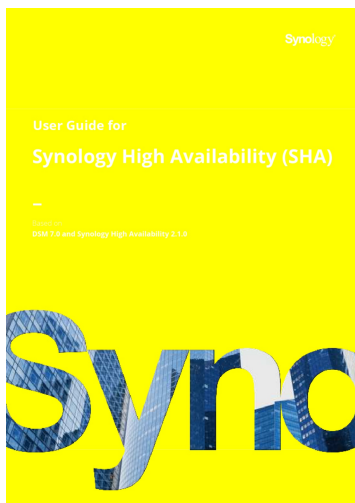


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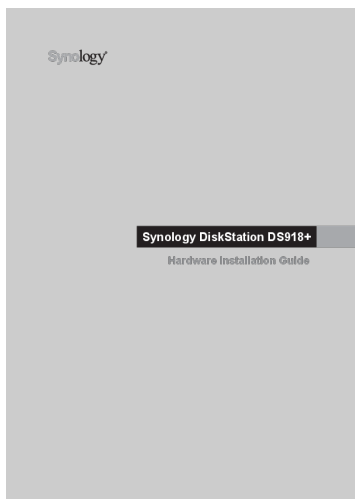


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[Synology DiskStation DS918+ Hardware Installation Guide](#)

A comprehensive hardware installation guide for the Synology DiskStation DS918+, covering package contents, setup, drive installation, memory module addition, M.2 NVMe SSD installation, and system startup.

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DS918 Synology ressources netwalkerstore store synology ds918 |||

DiskStation **DS918** Le Synology DiskStation **DS918** est un NAS 4 Baies connu pour les
PME et les passionnés d'informatique. Doté d'un nouveau processeur quatre cœurs, le
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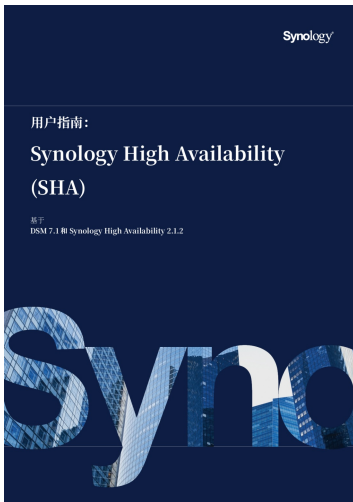


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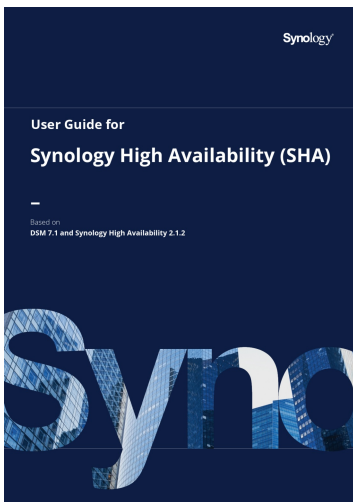


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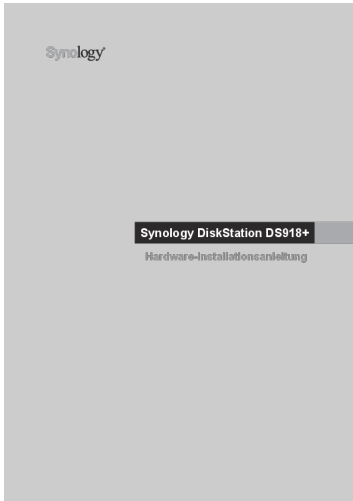


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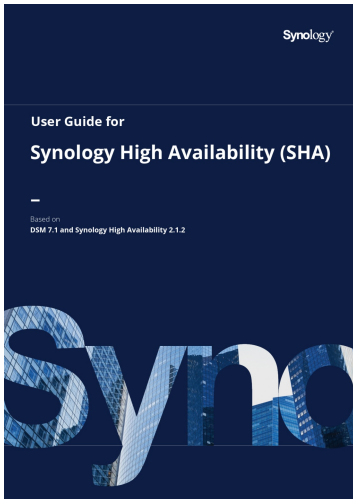
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[\[pdf\]](#) User Manual

Synology DiskStation DS918 Hardware Installationsanleitung Inc manual 1601172 synology diskstation ds918 nas server casing 4 bay 2x m2 slot asset conrad media10 add 160267 c1 de 001601172ML01
Synology DiskStation **DS918** Hardware-Installationsanleitung Inhaltsverzeichnis
Kapitel 1: Bevor Sie beginnen Packungsinhalt 3 Synology DiskStation auf einen Blick
4 Sicherheitshinweise 5 Kapitel 2: Hardware-Einrichtung Werkzeuge und Teile fr die
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User Guide for Synology High Availability SHA DSM 7 1 Inc 1global synology enu global Document
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RS4017xs , RS3617xs , RS3617RPxs, RS3617xs, DS3617xsII, DS3617xs, DS1817
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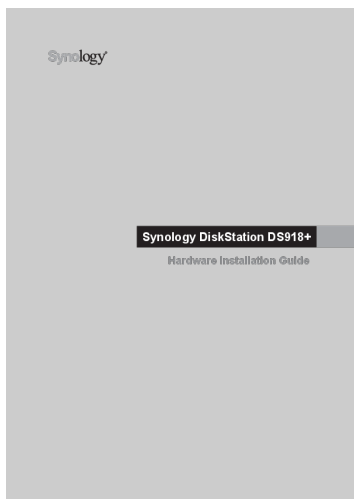
Synology DiskStation DS918 4 bay NAS Datasheet synology diskstation ds918 nas use ip co uk datasheets 6366

DiskStation **DS918** Synology DiskStation **DS918** is a 4-bay NAS designed for small and medium-sized businesses and IT enthusiasts. Powered by a new quad-core processor, **DS918** provides outstanding performance and data encryption acceleration along with real-time transcoding of 4K Ultra HD source cont...
lang:en score:35 filesize: 256.13 K page_count: 5 document date: 2018-01-16



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storage for virtualization guide enu global synology Document Software Brochure Firmware DSM 6 2 Storage Solutions for Virtualization Simplifying the provisioning, acceleration, and protection of y ... access 4KB Unit IOPS Read Write Environment: DSM 6.2, RAID 5, Btrfs file system. RS1619xs , **DS918** : 4 x Seagate ST6000VN0001 6 TB HDD as system storage and 2 x Intel 800P SSDPEK1W120GA01 120 G...
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Synology DiskStation DS918 Hardware Installation Guide Inc Also make sure to read the safety instructions carefully avoid 2 Log into DSM as admin or a user belonging administrators group 3 Check Total C14H 8NZOcS images eu ssl amazon I 4 Chapter 1 Before You Start at Glance 5 6 9 8 7 11 No Article Name Location Description Status Indicator Front Panel Displays status of system For more information see Appendix B Press and hold until you hear beep sound restore default IP address DNS server passwords for account then press again three sounds return Not installed so that Manager can be reinstalled
Synology DiskStation **DS918** Hardware Installation Guide Table of Contents Chapter 1: Before You Start Package Contents 3 Synology DiskStation at a Glance 4 Safety Instructions 5 Chapter 2: Hardware Setup Tools and Parts for Drive Installation 6 Install Drives 6 Start Up Your DiskStati...
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Synology DS918 Data Sheet fre global synology Document DataSheet DiskStation 18 year

DiskStation **DS918** Le Synology DiskStation **DS918** est un NAS 4 baies connu pour les PME et les passionnés d'informatique. Doté d'un nouveau processeur quatre cœurs, le **DS918** offre des performances et une accélération du chiffrement des données poustoufflantes ainsi que le transcodage en temps réel de...

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Synology DS918 Plus Data Sheet rus global synology Document Hardware DataSheet DiskStation 18
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DiskStation **DS918** Synology DiskStation **DS918** -- NAS 4 , . **DS918** , 4K Ultra HD .

Synology **DS918** 3- Synology. Synology **DS918** -- 4 , 4 DDR3L 8 . Link Aggregation
DS918 226 / 222 / 1. AES-NI **DS918** 225 /...

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DiskStation **DS918** Synology DiskStation **DS918** -- NAS 4 , . **DS918** , 4K Ultra HD .

Synology **DS918** 3- Synology1. Synology **DS918** -- 4 , 4 DDR3L 8 . Link Aggregation
DS918 226 / 222 / 2. AES-NI **DS918** 225 / 2...

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Synology DS918 Plus Data Sheet jpn global synology Document Hardware DataSheet DiskStation 18
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DiskStation **DS918** Synology DiskStation **DS918** IT 4 NAS **DS918** 4K Ultra HD

Synology **DS918** Synology 3 Synology **DS918** 4GB DDR3L 8GB Link Aggregation
DS918 226 MB/s...

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DiskStation

D5918+

3 个 3.5 英寸热插拔硬盘

Synology DiskStation D5918+ 是一款专为中小型企业而设计的高性价比的 4 槽 NAS。D5918+ 配备四颗核心处理器，可提升吞吐性能并实现加速以及 4K 流高清视频的实时编码。Synology D5918+ 享有 4 项专利的 3 个热插拔硬盘。*

高效工作并节省空间

Synology D5918+ 提供 4 个 3.5 英寸热插拔硬盘托架，配备 Synology 原厂 4GB DDR3L 内存 (可扩展至 16GB)。它采用 Linx Aggregation Pro™ OS 操作系统并支持 4 个 SATA 硬盘，可实现高达 200 MB/s 的读写速度。它支持 RAID 0、RAID 1、RAID 5、RAID 6、RAID 10、JBOD 和 Btrfs 文件系统，可支持高达 200 TB 的存储空间。它支持 10GbE 网络接口，可实现高达 10 Gbps 的网络速度。

D5918+ 支持 4 个 Synology D5918+ 扩展单元，可实现高达 40 个硬盘，还可轻松集成 Synology 闪存存储，以支持高达 100 TB 的存储空间。

此外，它还具有以下功能：

- 支持 2 个 SATA 6Gb/s 接口，可实现更快的数据传输速度并支持固态硬盘。
- 内置 Synology 智能缓存系统以节省存储空间并提高性能，帮助您轻松访问大量数据并提高系统性能。
- 支持同时使用 4 个千兆以太网接口，可实现高达 40 Gbps 的网络速度。
- 支持 Synology 企业级安全系统以帮助您遵守 4 个国际数据保护法规，例如 GDPR 和 HIPAA。
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优点

- 1. 四核心处理器，支持 4 个 3.5 英寸热插拔硬盘，可支持高达 200 TB 的存储空间。
- 2. 支持 RAID 0、RAID 1、RAID 5、RAID 6、RAID 10、JBOD 和 Btrfs 文件系统，可支持高达 200 TB 的存储空间。
- 3. 支持 10GbE 网络接口，可实现高达 10 Gbps 的网络速度。
- 4. 支持 4 个 Synology D5918+ 扩展单元，可实现高达 40 个硬盘，还可轻松集成 Synology 闪存存储，以支持高达 100 TB 的存储空间。
- 5. 支持 2 个 SATA 6Gb/s 接口，可实现更快的数据传输速度并支持固态硬盘。
- 6. 内置 Synology 智能缓存系统以节省存储空间并提高性能，帮助您轻松访问大量数据并提高系统性能。
- 7. 支持同时使用 4 个千兆以太网接口，可实现高达 40 Gbps 的网络速度。
- 8. 支持 Synology 企业级安全系统以帮助您遵守 4 个国际数据保护法规，例如 GDPR 和 HIPAA。
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Synology DS918 Plus Data Sheet krn global synology Document Hardware DataSheet DiskStation 18
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DiskStation **DS918** Synology DiskStation **DS918** IT 4 NAS. **DS918** 4K Ultra HD .
Synology **DS918** Synology 3 . Synology **DS918** 4GB DDR3L 8GB 4 . Link Aggregation
DS918 226MB/s 222MB/s 2. **DS918** AES-NI 225MB/s 221MB/s 2 . **DS918** M.2 NVMe
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DiskStation **DS918** Synology DiskStation **DS918** IT 4 NAS**DS918** 4K Synology **DS918**
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DiskStation **DS918** Synology DiskStation **DS918** IT 4 NAS**DS918** 4K Synology **DS918**
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AES-NI **DS918** 225 MB 221 MB 2**DS918** M.2 NVMe 2280 SSD **DS918** Synology
Dx5172 9 Btrfs **DS918** Btrfs / 5 1,02...

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DiskStation **DS918** Synology DiskStation **DS918** IT 4 NAS**DS918** 4K Synology **DS918**
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AES-NI **DS918** 225 MB 221 MB 2**DS918** M.2 NVMe 2280 SSD **DS918** Synology
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DiskStation **DS918** Synology DiskStation **DS918** IT 4 NAS. **DS918** 4K Ultra HD .
Synology **DS918** Synology 3 . Synology **DS918** 4GB DDR3L 8GB 4 . Link Aggregation
DS918 226MB/s 222MB/s 1. **DS918** AES-NI 225MB/s 221MB/s 1 . **DS918** M.2 NVMe
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Synology

DiskStation

DS918+

Synology DiskStation DS918+ is a 4-bay NAS designed for small and medium-sized businesses and IT enthusiasts. Powered by a new quad core processor, it delivers outstanding performance and data encryption acceleration along with real-time transcoding of 4K Ultra HD source contents. Synology DS918+ is backed by Synology's 3-year limited warranty.*

High-speed Scalable Storage Server

DS918+ is a new generation of 4-bay NAS designed for small businesses equipped with a quad-core processor and 4GB DDR3 memory (upgradable up to 16GB). With Link Aggregation (LACP) software, it delivers great speed (up to 10Gbps) for performance up to 200 MB/s read/write and 220 MB/s write. With 4GB RAM, business accelerated transcoding acceleration up to 100 MB/s read/write and 221 MB/s write. With 4-bay drives, it supports up to 16TB of storage space. With Synology ZFS, clustering file system, it supports up to 7 nodes when connected to two Synology DS918+ expansion units. Storage capacity can be expanded according to your business needs with external drive.

Efficient Next Generation Storage Efficiency

DS918+ introduces the Btrfs file system, bringing the most advanced storage technology to meet the management needs of modern businesses.

• Built-in file deduplication technology can reduce system complexity and costs and meets data protection and improves the overall stability.

• Flexible RAID configuration options provide comprehensive options control over use of space and stored files.

• Advanced data deduplication technology with customizable block schedule allows for L2/L3 object deduplication and deduplication in a stream (L2/L3 stream) without interrupting normal file access and performance.

• File-to-file deduplication logic deduplicates long documents and saves time for users who need to restore only a specific file.

• File-level deduplication: File system can auto-dedup compressed files with mirrored metadata, and remove broken files (corrupted ZIP/RAR contents, etc.) while backup, Btrfs, 3.x and 10.

Highlights

- Powerful quad-core Intel® Atom™ processor
- 4GB DDR3 memory (upgradable to 16GB)
- Supports up to 10Gbps network speed
- Up to 100 MB/s read/write and 220 MB/s write
- Up to 100 MB/s read/write and 221 MB/s write
- Auto cluster processor with 6-bay
- Supports up to 16TB of storage space
- Supports up to 7 nodes when connected to two Synology DS918+ expansion units
- Storage capacity is expandable up to 16TB with external drive
- Supports Btrfs, ZFS and 10 file systems
- Supports RAID 0, RAID 1, RAID 5, RAID 6 and Link Aggregation (LACP)
- Supports RAID 10, RAID 50, RAID 60 and Synology RAID 11
- Advanced data deduplication technology with customizable block schedule allows for L2/L3 object deduplication and deduplication in a stream (L2/L3 stream) without interrupting normal file access and performance
- File-to-file deduplication logic deduplicates long documents and saves time for users who need to restore only a specific file
- File-level deduplication: File system can auto-dedup compressed files with mirrored metadata, and remove broken files (corrupted ZIP/RAR contents, etc.) while backup, Btrfs, 3.x and 10

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Synology DS918 Plus Data Sheet enu global synology Document Hardware DataSheet DiskStation 18
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DiskStation **DS918** Synology DiskStation **DS918** is a 4-bay NAS designed for small and medium-sized businesses and IT enthusiasts. Powered by a new quad-core processor, **DS918** provides outstanding performance and data encryption acceleration along with real-time transcoding of 4K Ultra HD source cont...

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DiskStation **DS918** Synology DiskStation **DS918** is a 4-bay NAS designed for small and medium-sized businesses and IT enthusiasts. Powered by a new quad-core processor, **DS918** provides outstanding performance and data encryption acceleration along with real-time transcoding of 4K Ultra HD source cont...

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DiskStation **DS918** Synology DiskStation **DS918** r en NAS med 4 fack som r utformad fr sm och medelstora fretag och IT-entusiaster. Med kraft frn en ny fyrkrmig processor ger **DS918** enastende prestanda och acceleration av datakryptering p samma gng som konvertering i realtid av 4K Ultra HD-kllinnehll...

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Synology DS918 Plus Data Sheet ger global synology Document Hardware DataSheet DiskStation 18
year |||

DiskStation **DS918** Synology DiskStation **DS918** ist ein NAS mit 4 Einschben und wurde speziell fr kleine und mittlere Unternehmen und IT-Interessierte entwickelt. Die **DS918** ist mit einem neuen Quad-Core-Prozessor ausgestattet und liefert herausragende Leistung und beschleunigte Datenverschlüsselung ...

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