



## Embedded DataStation EDS14

Synology® Embedded DataStation EDS14 is a state-of-the-art palm-sized NAS server. Combining portability with endurance, EDS14 allows you to implement Synology's advanced network storage solutions in a wide range of physical locations. Synology EDS14 is backed with Synology's 3-year limited warranty.

### Highlights

- **Industrial thermal endurance level from -20°C to 50°C (-4°F to 122°F)**
- **Dual LAN ensuring versatile deployment & network uptime**
- **Plug-n-Play USB 3.0 & High Speed SDXC UHS-I SD storage**
- **Up to 111.94 MB/s reading & 50.58 MB/s writing with USB 3.0**
- **Up to 77.81 MB/s reading & 45.4 MB/s writing with SDXC**
- **DC power output for peripheral devices**
- **Ready-to-use right out of the box**
- **Running on Synology DiskStation Manager (DSM)**

### Hardware Excellence

As the embodiment of Synology's refined hardware craftsmanship, EDS14 features a compact and portable body, fan-less and drive-less design, and advanced network storage functionality, without sacrificing system reliability or quality of service. Synology EDS14 boasts exceptional durability in challenging thermal environments without the ventilation of a fan. The dynamic cooling mechanism specifically programmed for EDS14 guarantees system uptime and CPU health even at surrounding temperatures as high as 50°C. Despite its small size, EDS14 is powered by an 1.2GHz CPU and 512MB of RAM, ensuring both computing and multi-tasking capabilities. For a model dependent upon external drives, EDS14 delivers remarkable read/write performance - up to 111.94 MB/sec reading with USB 3.0 drive in a Windows® environment, and 50.58 MB/sec writing.<sup>1</sup>

The advanced hardware design of the EDS14 accommodates two LAN ports, one SD card reader, one USB 3.0 and one USB 2.0 interface - all inside a 125 x 125 x 31 mm enclosure. EDS14 supports the the latest external storage interface - USB 3.0 and SDXC/UHS-I, maximizing system availability with both speed and capacity.

### Unparalleled Versatility

With its compact physical size, EDS14 is the most versatile NAS server in Synology's product line and has been optimized for deployment in a variety of environments. Apart from the increased thermal endurance range, EDS14 tolerates dynamic DC input voltage from 7 to 24V, making it compatible with a variety of power sources such as cigarette lighter receptacle in an automobile. A schedulable DC output up to 1A is available to power an external device where power outlet is out of reach. Peripheral devices can be powered on, off, or reset remotely according to a schedule using DiskStation Manager's management interface (available from DSM 5.0). Equipped with two LAN ports, EDS14 protects local network tasks and Internet connection from mutual interference. With the support for PoE splitters, EDS14 is also ideal for deployment in a PoE environment.



### Edge Recording

EDS14 serves as your trustworthy edge recording agent in remote locations.



### Anytime Availability

Access your DataStation anywhere using Synology mobile apps.

## Cloud-Ready NVR

EDS14 has been specifically designed to run Synology Surveillance Station, a cutting-edge NVR solution with rich features that meet the most demanding enterprise surveillance requirements. In addition to its intuitive setup and hassle-free interface, Surveillance Station features an optimized live view experience with on-screen operations, smart analytics tools like motion detection, and an alert system that sends instant notification through SMS, e-mail, Skype, and DS cam. Synology works diligently to integrate all types of IP cameras on the market and currently supports over 2,400 IP camera models.

## QuickConnect and Mobile Access

QuickConnect is one of Synology's most prized services. In scenarios where port-forwarding rules cannot be applied, QuickConnect offers direct remote access to your files in EDS14 without complicated router configurations. With DS cam, a dedicated app available for Android and iOS devices, users can view IP cameras live, receive event notifications and access history recordings on demand. Synology also provides mobile applications that allow you to enjoy the full variety of your multimedia library even when on the go. You can stream your private albums, music and video collection from home, on the EDS14. Available on iOS, Android™ and Windows Phone platforms, DS photo+, DS audio, and DS video mobilize your Photo Station, Audio Station and Video Station, placing terabytes of content at your fingertips.

## Windows + Mac + Linux Cross Platform File Sharing

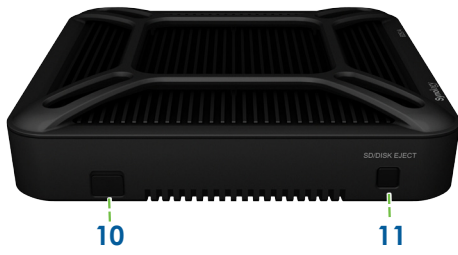
Synology EDS14 offers comprehensive network protocol support, assuring seamless file sharing across Windows, Mac®, and Linux® platforms. Internet file access is simplified by the encrypted FTP server and the web-based file explorer, Synology File Station. HTTPS, firewall, and IP auto-block support ensure 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 EDS14 can now be accessed remotely using DS file.

## Energy Efficient with Cool and Quiet Design

All Synology NAS is designed with energy efficiency in mind. Not only does EDS14 come with Synology's smart cooling technology to keep the system running cool 24/7, its noise dampening design makes it really quiet. 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



- 1 Power Indicator
- 2 LAN Indicators
- 3 SD/Disk Indicator
- 4 SD Card Slot
- 5 USB 3.0 Port
- 6 RESET Button
- 7 USB 2.0 Port
- 8 LAN Ports
- 9 Power Port
- 10 DC Output Port
- 11 SD/Disk Eject Button

# Technical Specifications

## Hardware

CPU	Marvell Armada 370 1.2GHz
Floating Point	Yes
Hardware Encryption Engine	Yes
Memory	DDR3 512MB
External Device Interface	USB 3.0 port X 1, USB 2.0 port X 1, SD card reader X 1
SD Card	SDXC/UHS-I, SDHC/C10
Size (HxWxD)	31mm X 125mm X 125mm
Weight	295g
LAN	Gigabit X 2
Wireless Support	Yes (wireless dongles not included)
Dynamic DC Input	7 to 24V; 2A (Adapter in package: 12V; 2A )
DC Output	Current: 1A Voltage: Consistent with DC Input
AC Input Power Voltage	100V to 240V
Power Frequency	50Hz to 60Hz, Single Phase
Operating Temperature	EDS14 with direct DC input: -4 to 122°F (-20 to 50°C) AC Power Adapter in package: 32 to 122°F (0 to 50°C)
Storage Temperature	-20°C to 60°C (-5°F to 140°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	External: EXT4, EXT3, FAT, NTFS, HFS+ (Read Only)
File Sharing Capability	Max User Account: 128, Max Group: 64, Max Shared Folder: 32, Max Concurrent CIFS/AFP/FTP Connections: 128
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™, Firefox®, Internet Explorer® 8 onward, Safari® 5 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

Backup Solutions	Local Backup, Desktop Backup (Window: Synology Data Replicator; Mac: Apple® Time Machine® backup application), Shared Folder Sync - Max Task Number: 2, Configuration Backup
FTP Server	Bandwidth Control, Custom FTP Passive Port Range, Anonymous FTP, Transfer Log
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): 5 (surrounding temperature under 38 °C / 100°F) or 2 (surrounding temperature over 38 °C / 100°F) (1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.)
VPN Server	Maximum Connections: 5, VPN Method: PPTP, OpenVPN, L2TP
DHCP Server	Independent DHCP Server on Different Network Interfaces, Multiple Subnets Support, Address Reservation
Cloud Station	Maximum Concurrent File Transfers: 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 : 50
Other Packages	Photo Station, Audio Station, Video Station, iTunes® Server, 3rd-Party Packages

## Environment and Packaging

Environment	RoHS Compliant
Package Content	EDS14 Main Unit, Welcome Note, AC Power Adapter, RJ-45 LAN Cable
Optional Accessories	Remote, Camera License Pack
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. The performance figures vary on different environments. Synology is dedicated to continual performance enhancement. Please find the latest figures on [www.synology.com](http://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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