



## DiskStation DX513

Synology® DX513 delivers an effortless solution for volume expansion and data backup for selected Synology DiskStation models. The DX513 seamlessly scales up the storage capacity of the DiskStation by additional 5 hard drives on-the-fly when connected directly to an expansion cable.

### Highlights

- **Online Volume Expansion**
- **Dedicated Local Backup Solution**
- **Reliable Plug-n-use Design**
- **Hot-swappable HDD Design**
- **Auto power on/off with DiskStation Models**

### Volume Expansion & Backup

When running out of hard drive capacity on the Synology DiskStation, Synology DX513 provides an easy way to immediately scale capacity by additional 5 hard drives. The RAID volume on the Synology DiskStation can be expanded directly without having to reformat the existing hard drives, ensuring the Synology DiskStation continues its service during the capacity expansion.

Synology DX513 can be used as a dedicated local backup solution for the Synology DiskStation. When created as a separate volume, the Synology DX513 provides a great backup solution to its local hard disks in case of system failure.

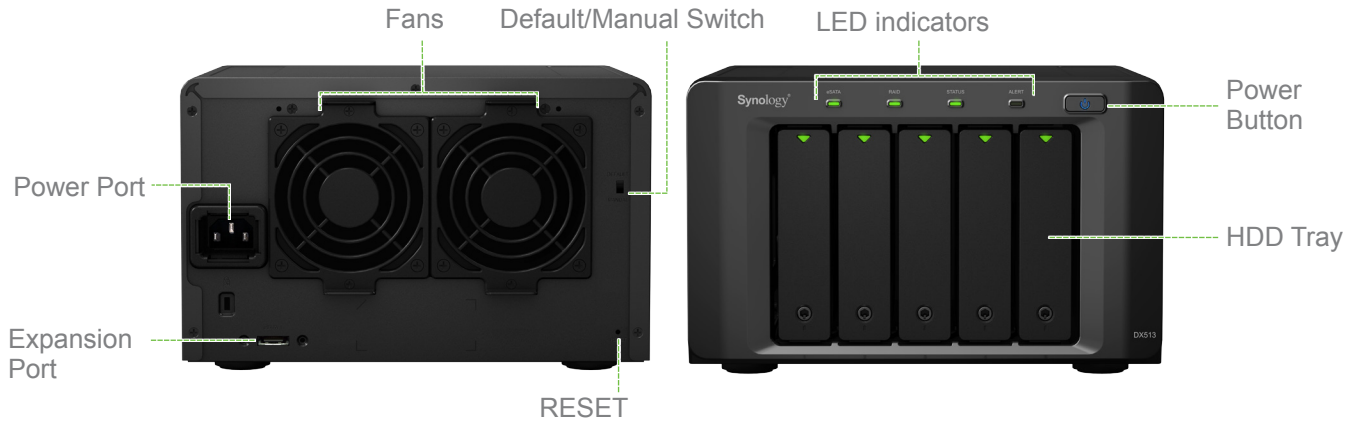
### Reliable Plug-n-use Design

The Synology DX513 is connected to the Synology DiskStation using an expansion cable with custom-designed connectors on both ends, ensuring a reliable connection and maximum throughput. The 3.0 Gb/sec connection speed allows the hard drives in the connected Synology DX513 to operate as the internal ones of Synology DiskStation.

### Green & Easy to Manage

The HDD hibernation and system hibernation can be manually configured to take effect automatically when the system has been inactive for a period of time. This not only saves energy but also extends the lifespan of the hard disk. The DX513 will also smartly power on/off with the attached DiskStation, so no user intervention is needed to keep this system running smartly and efficiently.

# Connections & Buttons



## Technical Specifications

### Hardware

Internal HDD/SSD	3.5" or 2.5" SATA(II) X 5 (hard drives not included)
Expansion Port	X 1
Hot Swappable HDD	Yes
Volume Type	Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1, RAID 10, RAID 5, RAID 5+Spare, RAID 6
Size (HxWxD)	157mm X 248mm X 233mm
Weight	3.91KG
System Fan	80x80mm X 2
Noise Level <sup>1</sup>	30dB(A)
Power Recovery	Sync with the connected DiskStation (Default Mode)
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
Maximum Operating Altitude	10,000feet
Power Consumption <sup>2</sup>	45.1W (Access), 16.5W (HDD Hibernation)
Supported Models <sup>3</sup>	DS710+, DS712+, DS1010+, DS1511+, DS1512+, DS1812+ DS112, DS112+, DS212+, DS213+, DS412+, DS413 (use as independent volume)

### Environment and Packaging

Environment	RoHS Compliant
Package Content	DX513 Main Unit, User's Guide, Assembling Kit, AC Power Cord, Expansion Cable
Certification	FCC: Class B, CE: Class B, BSMI: Class B
Warranty	3 years

\*Specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

1. 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: 17.1 dB(A); Temperature: 24.2°C; Humidity: 63%; More details about dB(A) value, check <http://www.memtechacoustical.com/facts.asp>
2. Measured with 5 Western Digital® 3TB WD30EZR5 hard drive. The figures could vary on different environments.
3. For info about newest supported models, please visit [www.synology.com](http://www.synology.com) for the latest information.

### 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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