

**INTEL NAS PERFORMANCE TOOLKIT  
EXERCISER SYNOLOGY DISKSTATION  
DS411 AND SYNOLOGY DISKSTATION  
DS1511+ (IN MBPS)**

Task	Synology DiskStation DS411	Synology DiskStation DS1511+
HD Video Playback	51.8	82.6
HD Video Record	63	97.9
Content Creation	6.7	10.7
Office Productivity	24.9	25.8
File Copy To	49.9	100.9
File Copy From	48.7	78.4
Directory Copy To	11.4	12
Directory Copy From	12.7	12.9

The DS411 managed to draw near to the DS1511+ in content creation, office productivity, and directory copying.



TEXT // LIONELL GO MACAHILIG

# Synology DS411

SPELLING OUT EFFICIENCY

Synology's DiskStation DS411 is a beneficial storage solution for SOHOs and SMBs that typically allot a limited budget for IT-related expenditures. Possessing a compact outline, the DS411 occupies only a small footprint in a restricted office environment. With its easy-to-use and energy-efficient (consuming only up to 29.7W) qualities, this NAS appliance also enables users to save more because of its low cost of ownership.

To install a SATA hard drive (ideally, it must be empty), you simply have to open the DS411's back door that is secured with four handy thumbscrews. Once opened, the NAS appliance reveals a set of four racks ready to accommodate SATA hard disk drives with a total storage capacity of 12TB. Additionally, the NAS appliance is also equipped with two USB 2.0 ports and an eSATA connector for hosting external storage devices.

Once the physical connection has been established, the user

must launch the Synology Assistant application on the client computer. This software will virtually manage everything, from formatting to configuring, to make the DS411 visible on the network. The application will also assist in installing DSM (DiskStation Manager), Synology's operating system for its NAS appliances. At the time of writing, the latest DSM was version 3.2. By and large, DSM virtually has all the essential features that the user needs in creating shared network storage, managing its contents, securing them against illicit access, and hardware monitoring. DSM also includes apps designed for keeping, playing, and acquiring (through torrent downloading) multimedia files, so it is obvious that having a DS411 is not always an all-work affair.

Intel's NAS Performance Toolkit Exerciser app provided us with an inclusive breakdown of DS411's performance through a series of simulated tasks. Weighing the DS411's scores against those

of the DS1511+, Synology's current top-end NAS offering, the benchmark clearly underlined the DS411 as a mainstream solution. Although the DS1511+ outdid the DS411 in every category, it should also be noted that the DS411 had managed to draw near to its high-end sibling in some aspects.

It may not be the fastest NAS appliance out there but with speeds that can catch up with the pricier DS1511+ at certain points, we can say that the DS411 is a good performer. Above all, capped with a price tag of Php 29,900, we deem that investing on a unit of the DS411 would not hurt for a budget-conscious entity.

## AT A GLANCE

**PROCESSOR**  
1.6GHz

**MEMORY**  
512MB DDR3

**CAPACITY**  
Up to 12TB

**WARRANTY**  
Two Years

**PRICE**  
Php 29,900

**SPECIFICATIONS** INTERFACE 4x SATA 3Gbps, 2x USB 2.0, 1x eSATA, 1x Gigabit Ethernet // **POWER CONSUMPTION** Up to 29.7 Watts (Access) // **SUPPORTED OS** Windows 2000, Mac OSX 10.3, Ubuntu 9.04 onwards // **DIMENSIONS / WEIGHT** 230 x 184 x 168mm / 2.23kg // **WEBSITE** www.synology.com

Verdict:

8.5



PHYSIQUE: 8.0  
FEATURES: 8.5  
USER-FRIENDLINESS: 8.5  
PERFORMANCE: 8.5  
VALUE: 8.0