

INTRODUCTION

The NAS 3.0 is Addonics' 3rd generation NAS adapter with up to 30% faster performance and several powerful enhancements. The new features in the NAS 3.0 adapter include support of NTFS and exFAT file system, WebDAV server, two drive volumes and a few others. The NAS 3.0 adapter enables creating a Network Attached Storage with capacity as large as 128PB and with features that rival many expensive NAS storage solutions. Any USB storage can be attached to the NAS 3.0 for sharing over the LAN or over the internet, just like your own private cloud storage. Like its predecessors, the NAS 3.0 adapter maintains the support of both SMB (Server Message Block) and the open source Samba network protocols, printer server, X-Box media server and Bit-Torrent client.

File System

One of the biggest improvements in NAS 3.0 is the type of File System support. Any USB storage with NTFS or exFAT File System can now be attached directly to this new NAS adapter. There is no special drive preparation needed. Hard drive with existing data can now be attached to the NAS 3.0 adapter and becomes shareable immediately. Drive volumes as large as 256TB under NTFS or a whopping 128PB under exFAT can now be added to the network. When used in conjunction with Addonics RAID Tower or RAID Rack, storage capacity in excess of 50 TeraBytes can be easily added to the LAN or WAN.

WebDAV Server - Your Private Cloud Storage

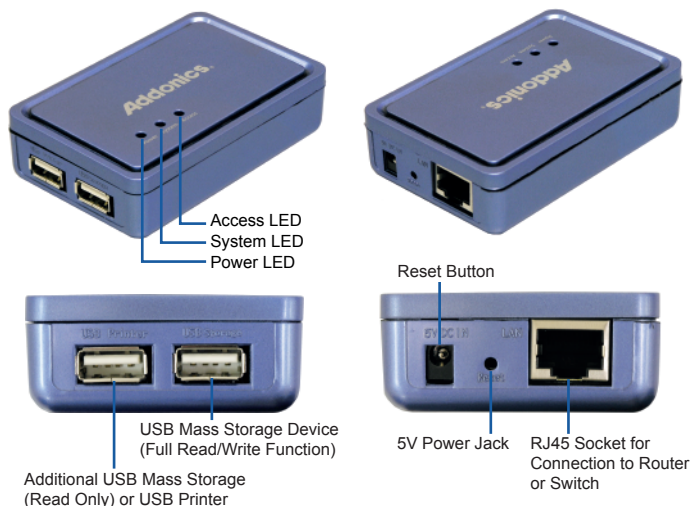
The WebDAV server in the NAS 3.0 adapter is the latest development in serving data over the internet. WebDAV is a set of extensions to the HTTPS(s) protocol that allows a web server to appear as a standard network drive. As of 2009, many new Operating Systems come built-in with WebDAV client support. Free Apps are also available to add WebDAV client to iPhone and Android phone. Using the WebDAV client software, data stored in the WebDAV server can be accessed anywhere via internet connection, like having your private cloud storage. Once your WebDAV client is set up, any folder in the WebDAV server can be mapped to a drive letter. WebDAV server also works like a web server. Any web browser can directly open HTML or ASP file stored in the WebDAV server via the internet. For more detail information of the WebDAV protocol, please visit the following web page <http://en.wikipedia.org/wiki/WebDAV>.

Instant Data Sharing

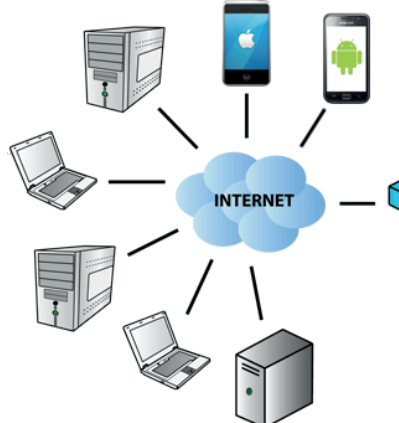
The NAS 3.0 adapter also allows instant sharing of data stored on USB storage device with NTFS or FAT file system. Once you have the NAS 3.0 adapter set up on the network and an USB storage attached to the USB storage port, any additional USB storage device attached to the printer port on the NAS 3.0 adapter becomes available to all network users. Every folder and file in the USB storage connected to the printer port is accessible for download or viewing over the LAN or WAN. There is no authentication or user account set up required. For more detail on this feature, review 'attaching USB storage to printer port' in the Q&A section.

FEATURES

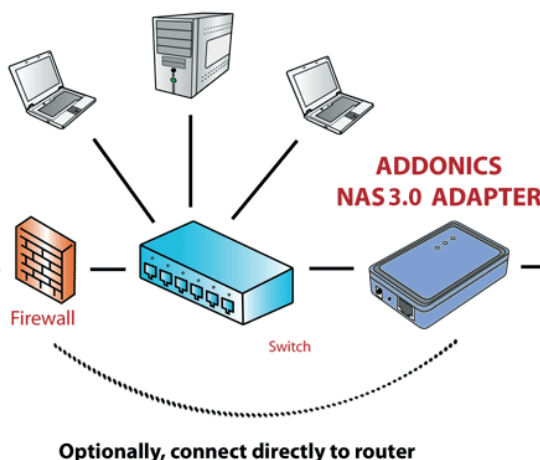
- Turn any USB 2.0 hard drive, SSD or USB mass storage device into a Network Attached Storage appliance
- Great for attaching Addonics Raid Tower / RAID Rack, Flash reader and any Addonics USB storage device onto the network
- A powerful tool for creating a custom Network Attached Storage appliance.
- Built-In SMB / Samba server for file sharing over LAN, maximum 16 users and total 64 TCP connection can read / write at the same time.
- Built-in WebDAV server for file sharing over the internet (HTTP and HTTPS support).
- Support any USB storage with NTFS or exFAT file system. Click on the following link http://www.ntfs.com/ntfs_vs_fat.htm for a detail comparison of these two file systems.
- Maximum drive volume:
 - NTFS - 256 TB
 - exFAT - 128 PB
- Minimum drive volume required - 1GB
- No additional drive preparation required. USB storage with existing data can be attached to the NAS adapter.
- Built-in Bit Torrent client for direct download to the attached USB storage device
- Can be set as a UPnP AV server to share photo/music files stored on the file server with XBOX 360 video game consoles connected to the LAN
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- User management to allow read only or read/write access to folders
- Administrative management access via web browser with password security.
- Support up to two USB mass storage devices
 - USB storage port - for connecting any USB 2.0 / 1.1 mass storage device with full READ/WRITE and security functions
 - USB printer port -
 - for additional USB storage device with READ only function and sharable by all users with no authentication (see detail of limitation on attaching storage device to USB printer port)
 - or for connecting any USB printer to the network
- Support 10/100/1000 Mbps network
- Maximum data transfer over Gigabit LAN - up to 18 MB/sec READ and 12 MB/sec WRITE
- USB port can be used to power most 2.5" USB hard drives or any low powered USB storage device.
- Simple to install
- Small and light weight. Size of a cigarette pack. Weight less than 3 oz. Can be installed practically anywhere
- Can be set as DHCP server
- Support PPPoE connection
- Support Dynamic DNS
- Compatible with all Windows OS, Mac OS X, Linux 2.6.x and above



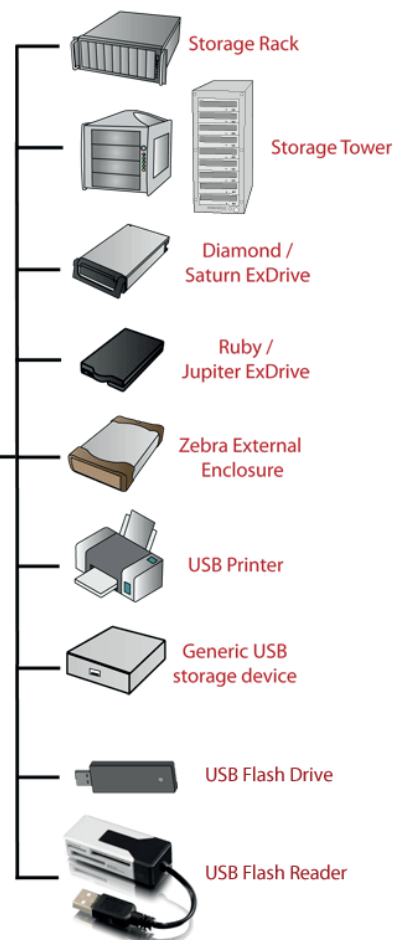
EXAMPLE 2: Device/System installed with WebDav clients can access data from the USB storage device attached to the NAS 3.0 adapter



EXAMPLE 1: clients connected to a switch can access data over the Local Area Network



Any of the following devices:



SPECIFICATIONS

- Two USB-A connector (1 for USB mass storage device, 1 for USB printer or additional USB storage)
- USB 2.0 / 1.1 specification
- USB port can supply power up to 1.5A at 5V using the bundled power adapter
- One RJ45 socket for 10/100/1000Mbps Ethernet connection
- File systems support: NTFS, exFAT
- Maximum user accounts:
 - Samba server - 16
 - WebDAV server - 16
- Maximum # of concurrent connections:
 - Samba server - 64
 - WebDAV server - no limit. Recommend not to exist 4 concurrent connections for optimal performance
- Power consumption: 2 watts @ idle, 2.5 watts average during operation
- Dimensions (L x W x H): (85 x 55 x 23) mm or (3.35 x 2.17 x .91) in.
- Weight: 78g (2.75 Oz)
- Operation Temperature: 0 °C ~ 70 °C
- Operation Humidity: 10 ~ 90 %RH
- Storage Temperature: -20 °C ~ 70 °C
- Storage Humidity: 5~ 95 %RH
- Power consumption: 200mA @ 5V