



ARMed to the Max

Affordable personal cloud bringing high speeds for individuals and families.

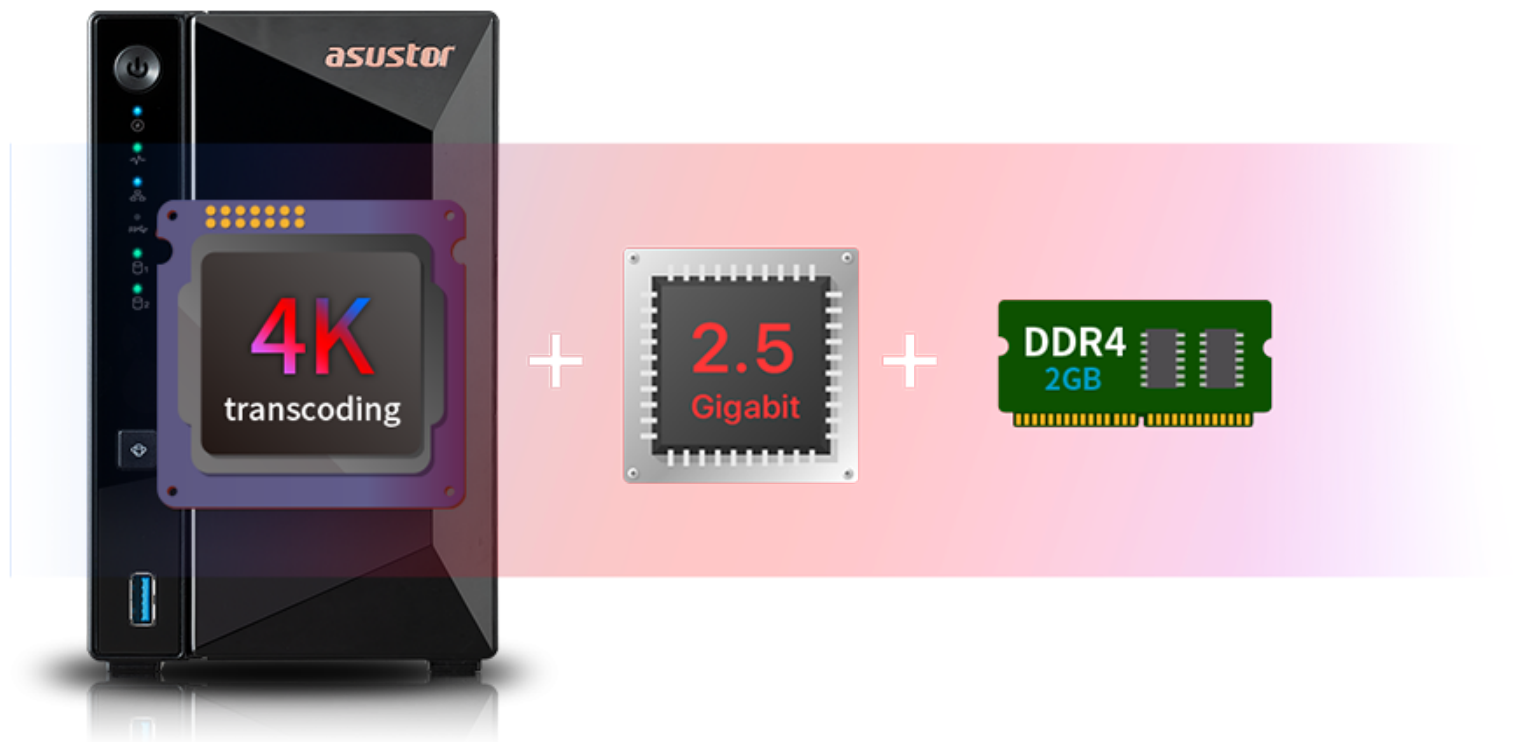
AS3302T

- Realtek RTD1296 Quad-Core 1.4 GHz CPU
- Uses 2 GB DDR4 – 40% more efficient
- Superfast 2.5-Gigabit Ethernet
- Enjoy, download, upload and stream content with 4K transcoding.
- Supports Wake on LAN and Wake on WAN
- New Rose Gold logo
- Tool-free installation



All New Hardware – Same Great Case

- 2.5-Gigabit Ethernet – More than twice the performance of Gigabit
- Realtek RTD1296 Quad-Core CPU at 1.4Ghz
- DDR4 RAM – 40% more efficient
- High performance, 4K decoding
- Supports Wake on LAN and Wake on WAN



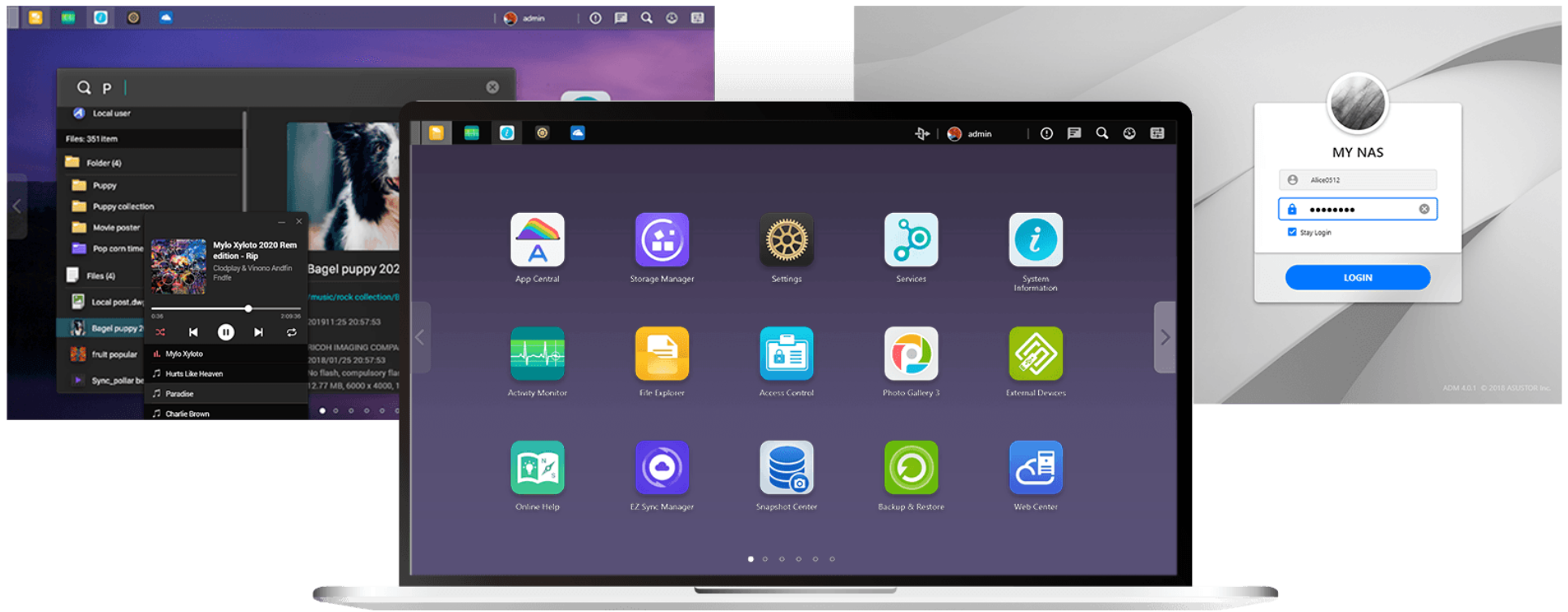
Holistic Backup Solution

- Phone backup
- PC backup
- NAS data preservation
- Cloud to NAS backup
- NAS to NAS backup
- USB backup



Brand-New ADM 4.0

ADM 4.0 is here and brings a whole host of intuitive design changes to ADM OS. The upgraded UI brings a new aesthetically-pleasing dark mode that helps to save and preserve OLED displays. ADM 4.0 introduces a new login page that contains a variety of customizable elements, a more convenient and easier-to-use quick search feature and new custom themes. Under the hood, ADM 4.0 brings improvements to performance, compatibility and security as the new version of OpenSSL plugs vulnerabilities found in previous versions, increasing security while efficiency improvements bring better performance.



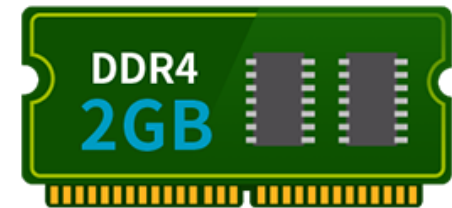
Rose Gold Coloring

The all-new Rose Gold Logo is elegant and distinct, enabling easy distinction between ASUSTOR NAS models.



Realtek Quad-Core CPU and DDR4 RAM

The Drivestor 2 Pro and Drivestor 4 Pro are equipped with a Realtek RTD1296 1.4GHz Quad-Core 64-bit CPU. Transcode, stream and play multimedia in 4K, transfer files and easily multitask with the Drivestor Pro series. The Drivestor Pro handles multitasking with ease by utilizing its 2 GB of DDR4 memory ensuring that virtually any task on an ASUSTOR NAS is executed smoothly.



Efficient and Powerful

The Drivestor 2 Pro and 4 Pro are ASUSTOR's highest value devices ever. Transcode 10-bit 4K H.265 media with hardware decoding easily that enables unbelievably smooth video playback in LooksGood.



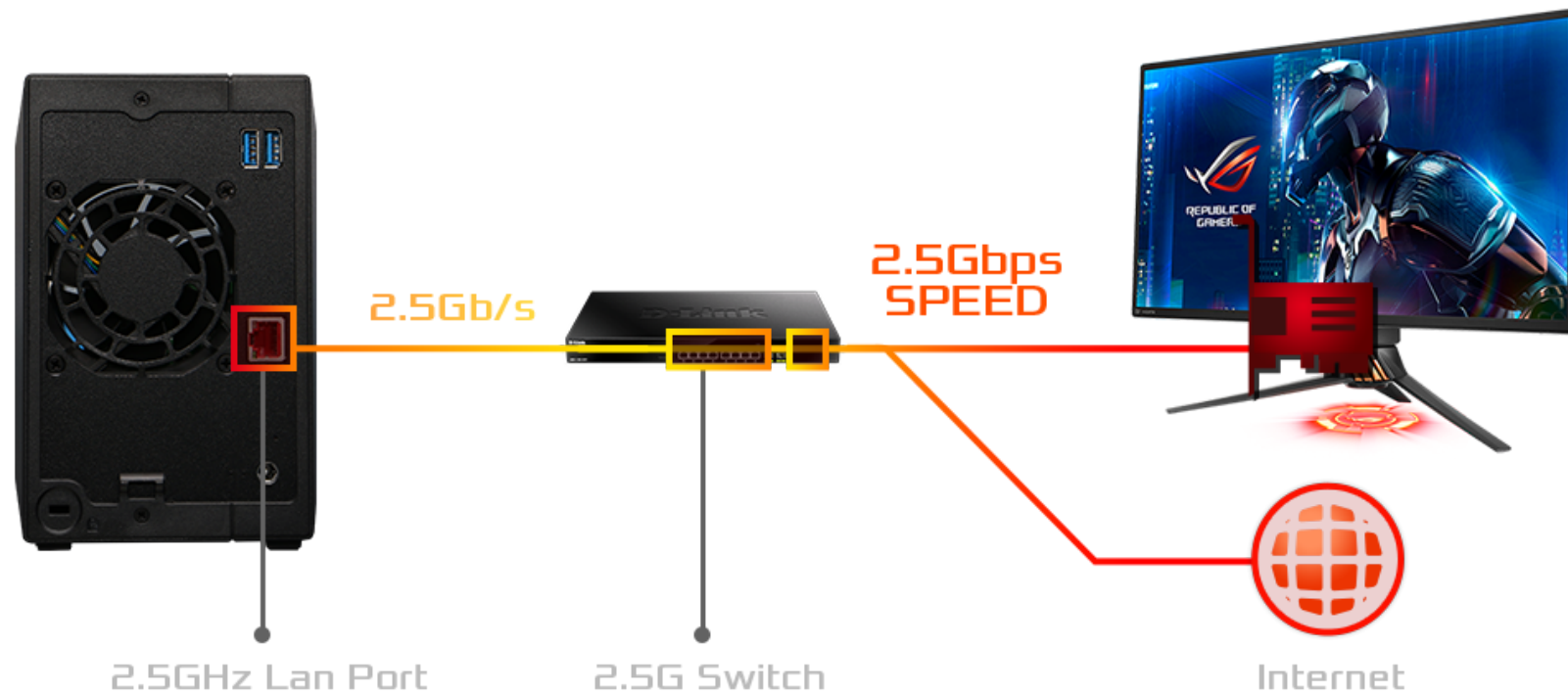
Media Mode

The Drivestor 2 Pro and 4 Pro come with 2 GB of memory. Media Mode is a new feature that efficiently reserves 512 MB of RAM for multimedia tasks as a variety of tasks require large amounts of RAM. With dedicated RAM for multimedia, video playback remains smooth and is not interrupted by other tasks.



2.5-Gigabit Ethernet – Double Speed

The Drivestor 2 Pro, despite being extremely affordable contains 2.5-Gigabit Ethernet and more than doubles the performance of comparable Gigabit-class devices.



Tool-free Installation

ASUSTOR's Driverstor Pro series introduces its new tool-free caddies as a way to simplify installation of hard drives. Each NAS comes included with brackets to install the drive easily. On the Driverstor Pro series, hot-swapping of hard drives is supported, allowing you to change hard drives easily without powering down the NAS.



Free exFAT

exFAT is now supported free of charge in ADM 4.0 due to a policy change by Microsoft.



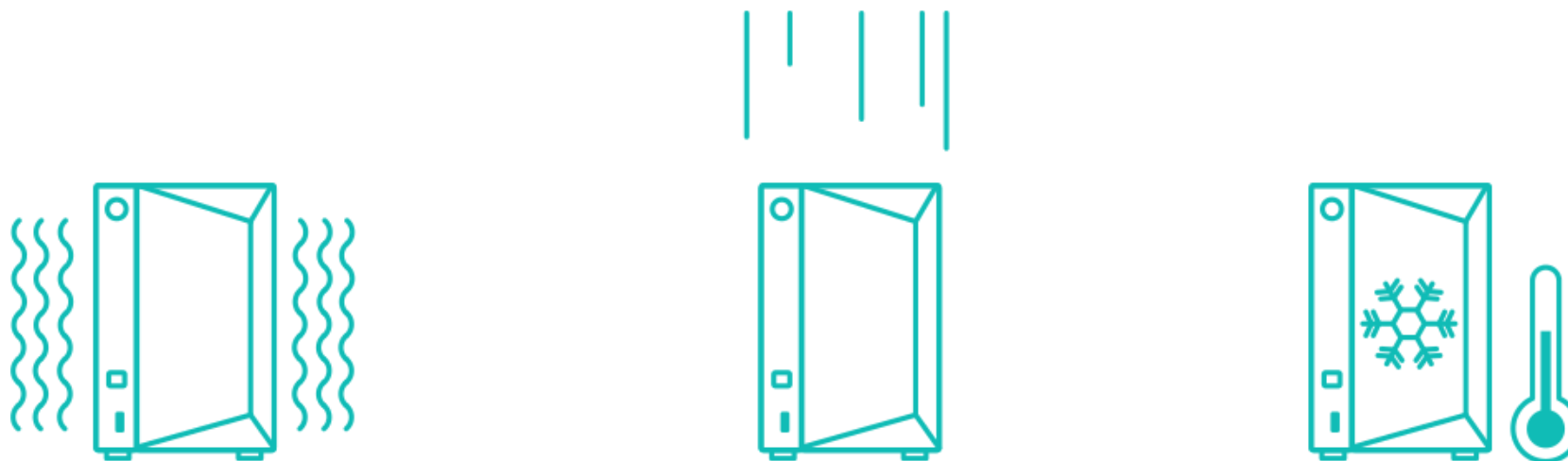
Silent and Efficient

The Drivestor 2 Pro and 4 Pro emit only 19 decibels of sound with SSDs ensuring that the NAS remains inaudible even when recording for content creation.



24/7 Reliability and Durability

All ASUSTOR NAS are designed for and are suitable for 24/7 use. ASUSTOR NAS devices have also undergone rigorous tests, such as drop tests and burn tests to test durability in extreme conditions. Heatsinks were added to sensitive components to dissipate heat, helping to maintain the longevity of the device.



Protected From the Inside and Out

Protect your data from loss, damage and attacks with the Drivestor 2 Pro. A Drivestor 2 Pro is better protected by running the Linux-based ADM, employing a built-in firewall, ClamAV Antivirus, MyArchive and ADM's various backup tools help protect ransomware even better.

Network Attack Protection

- Firewall
- ADM Defender

Secure Data Transmission

- VPN connection
- SSL certificate connection
- Automatic logout

Internal Data

- MyArchive offline backup
- AES-256 folder encryption
- Antivirus software - ClamAV

Access Control

- File/folder/app isolation
- 2-Step Verification
- Wake-on-LAN (WOL)
- Wake-on-WAN (WAN)



Comprehensive Backup Solutions

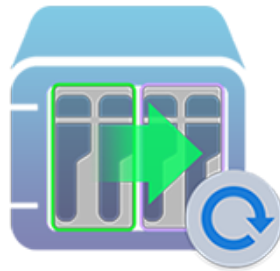
ASUSTOR's comprehensive backup solution provides more than twelve backup options, including, but not limited to Amazon S3, Dropbox, Google Drive, and OneDrive. ASUSTOR Backup Plan for Windows as well as Time Machine for macOS provides easy backups for desktops and laptops.



1. Transfer mobile data to NAS



2. Computer data to NAS



3. NAS local backup



4. Public cloud and NAS data backup



5. NAS to NAS



6. NAS backup to external device

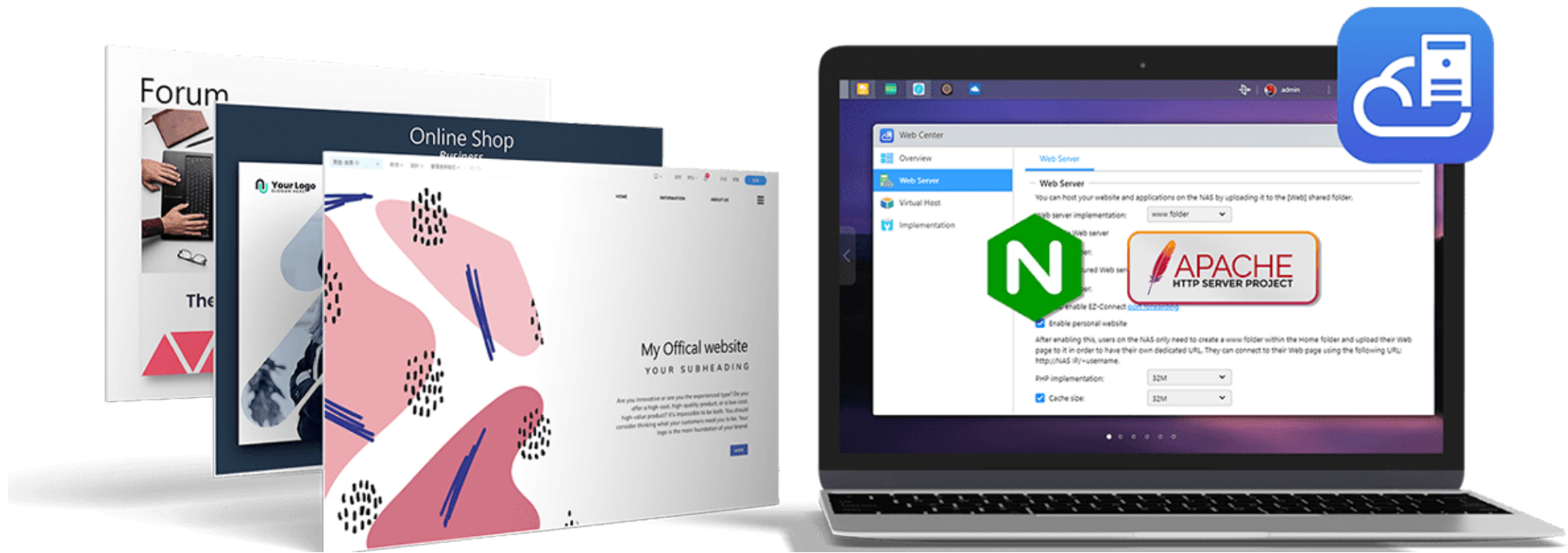
Exclusive MyArchive Cold Backup Technology Unlimited Capacity Expansion

MyArchive cold storage technology turns NAS hard drives into removable storage archive drives. Directly insert a MyArchive hard drive into a free bay inside your NAS to easily access, backup and share terabytes of content.



Web Center

Easily set up a website with Web Center. Install Apache or Nginx or almost any other web server implementation and add multiple website portals for an easy-to-use web server experience.



Protected From Ransomware

The Drivestor comes with the most up-to-date version of ADM to help protect against ransomware attacks. Snapshot Center provides the ability to efficiently create snapshots to protect and easily restore lost data. Other security features found on the Drivestor are the ability to create one or more replacement administrator accounts, a firewall by ADM Defender that features blacklists and whitelists, the ability to change default ports, disable SSH and Terminal to prevent remote attacks. MyArchive cold storage hard drive security can also be increased by implementing AES 256bit encryption.

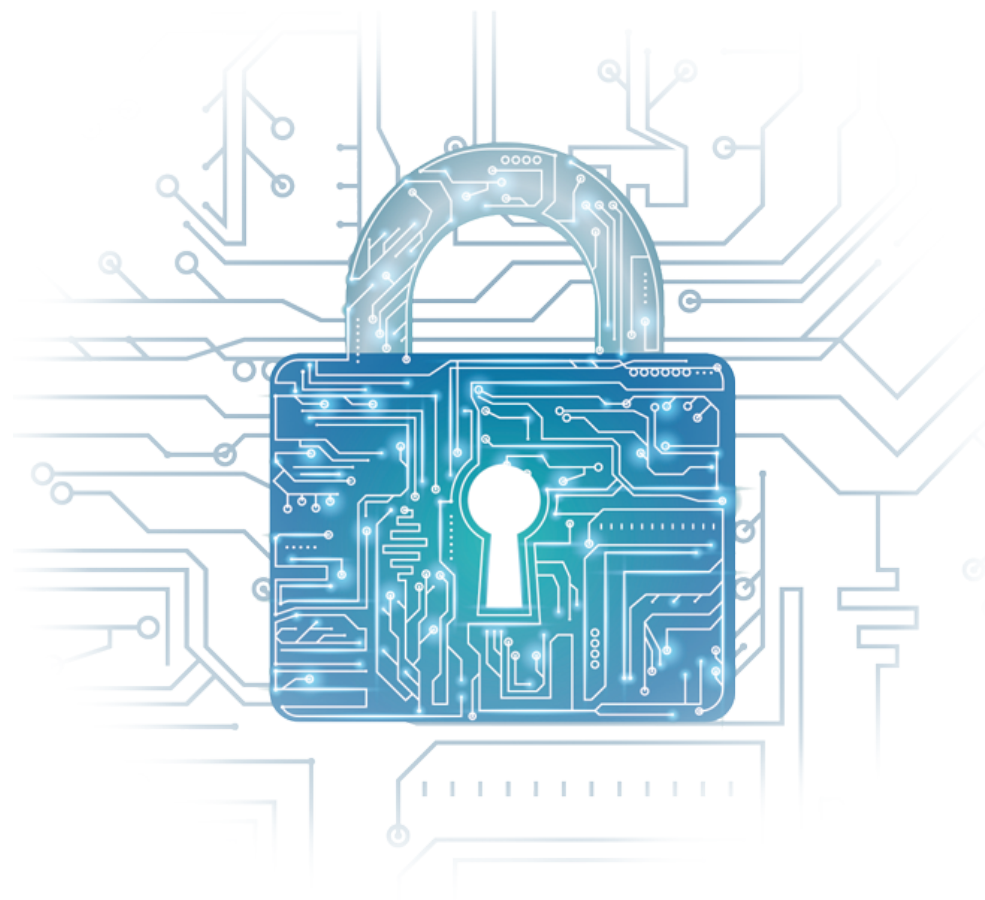


Photo Gallery 3 + AiFoto 3.0

The all new Photo Gallery 3 and AiFoto 3 have been revamped and brings a variety of new features to make photo organization easier than ever. New features for Photo Gallery 3 include, but not are limited to custom folder selection, timelines, smart albums, and new photo modes. Easily blow up photos to up to twice their size, play songs on slideshows, performance enhancements and customized share links make for an even better photo viewing and sharing experience.



ASUSTOR EZ Sync

ASUSTOR EZ Sync [Learn more about this >](#)

1. All new UI. Simpler and easier to operate. View NAS information quickly.



2. More complete settings - offering detailed folder lists. Easily select folders and files not in a folder.
3. Notifications for abnormal status
4. Support 2-step verification increase account safety.
5. Improve NAS connecting and file sync system stability for better user experience.

Cloud Backup Center

Cloud Backup Center brings support for various business cloud services including, but not limited to Amazon S3, Backblaze B2, Baidu Cloud, IBM Cloud, Rackspace Cloud Files, Microsoft Azure Blob Storage and Alibaba Cloud. Control your data with instant and scheduled backups as well as using Cloud Backup Center to create a hybrid cloud that keeps your data online and offline, keeping your data protected.



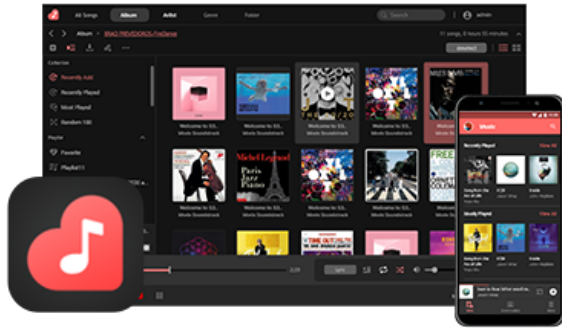
DataSync Center

DataSync Center combines multiple cloud services into a single app. DataSync Center includes, but is not limited to Google Drive, Dropbox and OneDrive and supports multitasking as well as multiple accounts. Control your data with instant and scheduled backups as well as using Cloud Backup Center to create a hybrid cloud that keeps your data online and offline, keeping your data protected.



Create the Ultimate Home Multimedia Center

Enjoy electrifying digital entertainment on demand with ASUSTOR NAS. Through ASUSTOR's App Central, you can install additional multimedia server Apps such as UPnP Media Server and OwnTone giving your NAS the ability to stream multimedia content to your computers, TVs and mobile devices.



SoundsGood
+
AiMusic

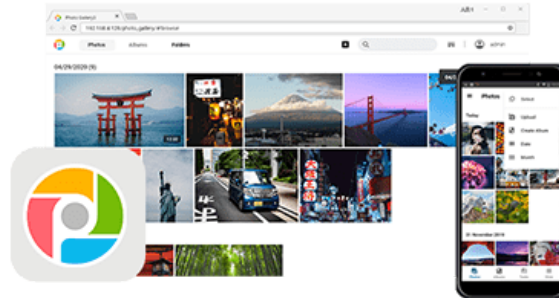
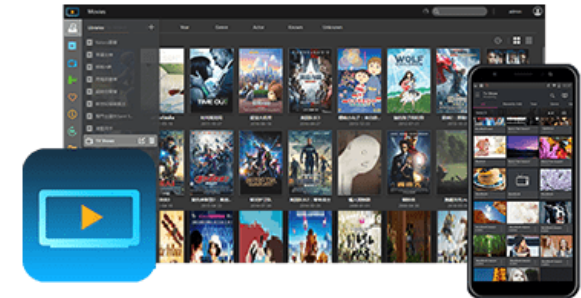


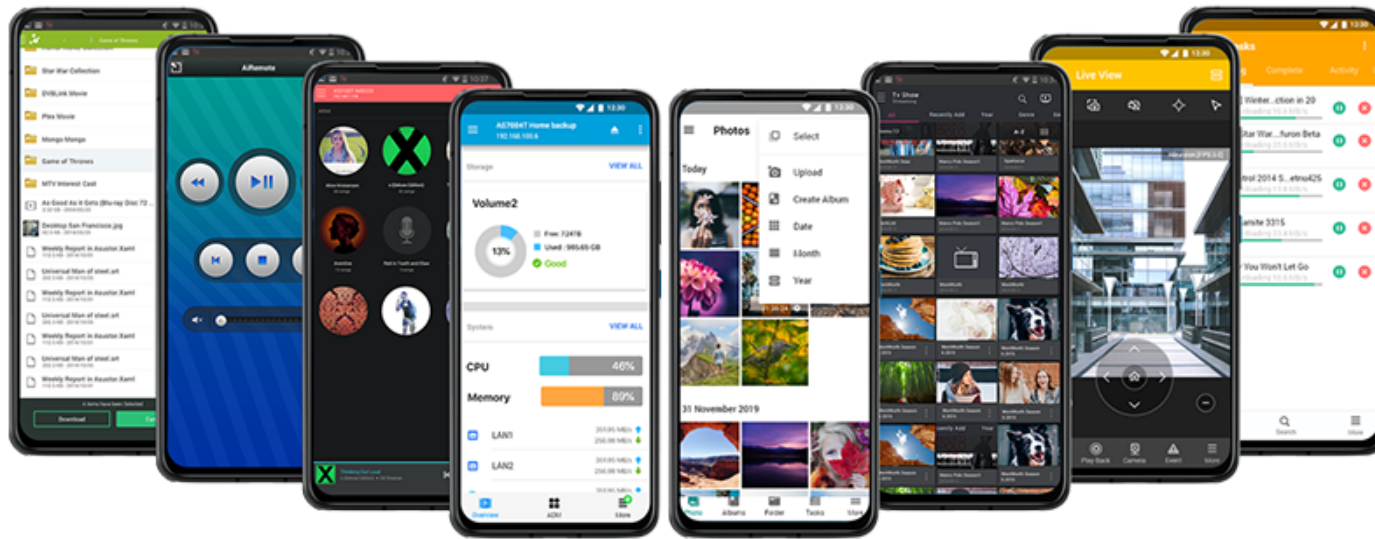
Photo Gallery 3
+
AiFoto 3



LooksGood
+
AiVideos

Mobile Apps

ASUSTOR's exclusive EZ Connect technology allows you to connect to your NAS from anywhere with your Mobile device in order to access and share your files. ASUSTOR mobile apps provide pass code lock functions in order to protect your privacy and data. You can also make use of HTTPS connections for even more added security.



AiData



AiRemote



AiMusic



AiMaster



AiFoto 3



AiVideos



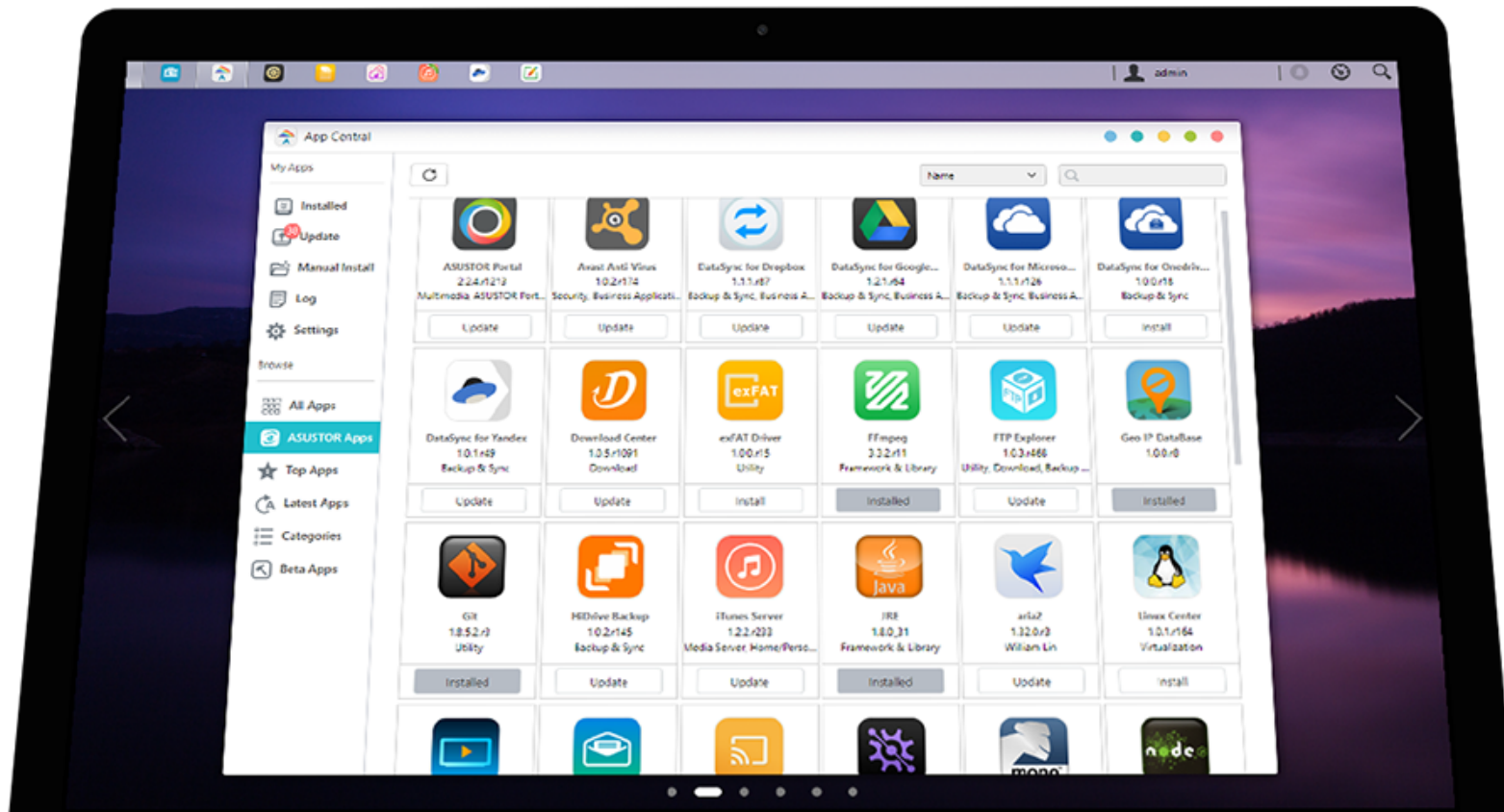
AiSecure



AiDownload

App Central

Unleash the unlimited potential of ASUSTOR NAS. The applications that come pre-installed with each ASUSTOR NAS device are just the beginning. At your convenience, you can browse through and download any applications that pique your interest from App Central. Whether your interests lie in business, website construction or even digital home entertainment, App Central has got you covered. With over 200 unique Apps, App Central provides you with the boundless variety of applications that you require to satisfy your digital lifestyle needs. Explore the unlimited potential of ASUSTOR NAS devices while creating a personalized NAS device for yourself.



First-Class Product Warranty

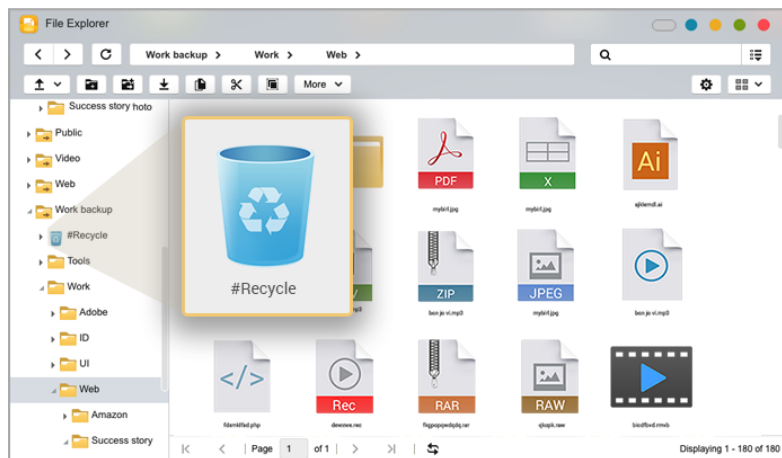
All ASUSTOR NAS products come with a 3-year warranty. ASUSTOR continues to make customer service a priority in providing the highest standard of after-sales service and technical support.



Enhanced Recycle Bin mechanism

The Network Recycle Bin mechanism has been updated in ADM and is now based on individual shared folders rather than storage volumes. According to their needs, users can decide whether or not to enable a Network Recycle Bin for each individual shared folder, enjoying added configuration flexibility.

Files that are moved to the Recycle Bin maintain their original directory structure, allowing added convenience should users need to search for already deleted files. The simple one-



click restore function will restore selected files to their original directory path while conveniently maintaining all properties and permissions settings.

Ultimate data protection

ASUSTOR NAS makes use of RAID storage technology to provide protection for your data. RAID mainly revolves around the core concept of combining your disks to protect the data inside. ASUSTOR offers a number of different RAID level configurations that you can choose from when creating storage volumes. Each RAID level offers a differing degree of data protection, system performance and storage space.

ASUSTOR's supported RAID levels are summarized in the chart below:

RAID LEVEL	Single	JBOD	RAID 0	RAID 1	RAID 5	RAID 6	RAID 10
Minimum number of disks	1	2	2	2	3	4	4
Faulty Disks Tolerated	X	X	X	1	1	2	1
Increased System performance	X	X	V	X	V	V	V

Maximum use of Storage space

V	V	V	X	X	X	X
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Not enough storage space?



Insufficient storage space forcing you to consider upgrading your NAS to one with more disk bays?

ASUSTOR NAS supports online capacity expansion* which means that you can easily swap out all your old disks for higher capacity ones without turning off your NAS. Now you can increase the storage capacity of your NAS without worrying about getting an entire new system.

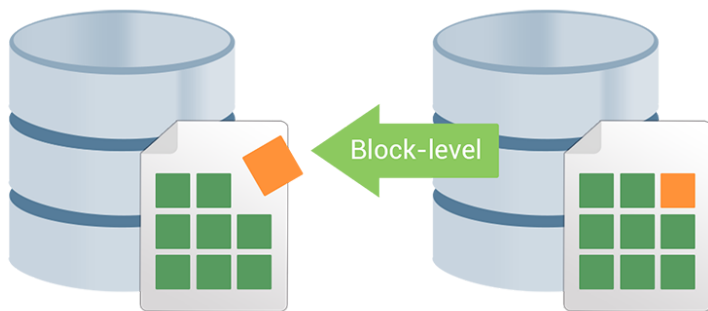
*You must use RAID 1, 5, 6, or 10

Uninterrupted access

During the capacity expansion process, while your data is being transferred over to the new disks, you will still be able to access everything on the NAS. Online capacity expansion does not require any advanced IT skills to execute and helps you to eliminate cumbersome backup and migration procedures. When it's time to upgrade your NAS's capacity, ASUSTOR simply gets the job done for you without missing a beat.



The ultimate tool for remote backup

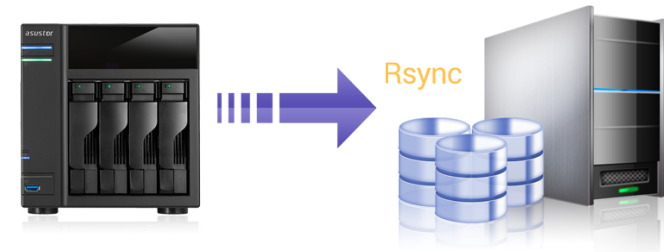


Rsync is an application originally developed for UNIX that is usually used for backup and sync between two computers. By providing block level replication, Rsync is able to offer incremental backup. Incremental backup allows for successive backup jobs (after your first backup job) to only copy data that has changed since your last backup job. Rsync is suitable for use with files and data that are always changing. It lets you cut down on backup time while significantly reducing bandwidth usage.

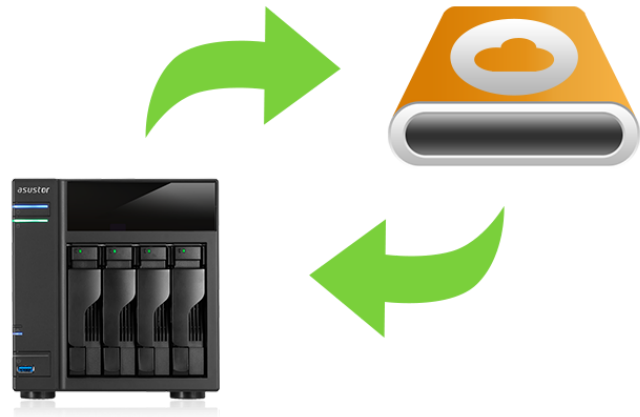
A rich and flexible backup solution

ASUSTOR's Rsync Backup function supports two-way data transfers, incremental backup, encrypted backup and also the scheduling of your NAS to perform regular backup jobs. It effectively simplifies data backup while also substantially reducing the burden on IT staff. ASUSTOR's Rsync backup function may be used to complete tasks such as:

- The transfer or backup of data from your NAS to an Rsync compatible server
- Initiating downloads of the data from an Rsync compatible server to your NAS



Regular backups of your vital data



ASUSTOR's built-in RAID storage technology can provide a certain level of data protection, but regularly backing up the data on your NAS is also very important.

The External backup function supports two-way data transfers, incremental backups and also the scheduling of your NAS to perform regular backup jobs. It may be used to complete tasks such as:

- The transfer or backup of the data from your NAS to an external device.
- Initializing the copying of data from an external device to your NAS

Create a hybrid cloud, protect and secure your data

After installing the Google Drive App on ASUSTOR NAS, you will be able to integrate both cloud and personal storage spaces. Google Drive's supported data transfer methods include downloading and uploading from the NAS to Google Drive and a two-way sync mode. No matter if it is data backup or remote access to data, Google Drive on ASUSTOR NAS is able to meet your needs.



Note:

1. Google documents and photos cannot be backed up.
2. The frequency of synchronization is once every 5 minutes.

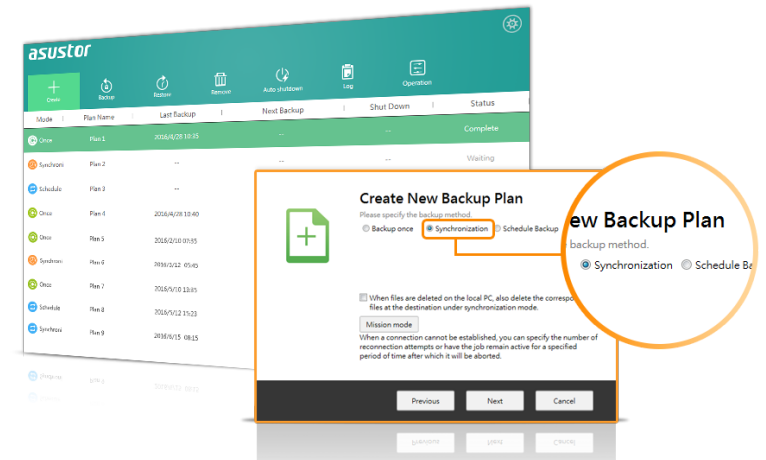
Set and forget

Mode	Plan Name	Last Backup	Next Backup	Shut Down	Status
Once	Plan 1	2016/4/28 10:35	--	--	Complete
Synchroni	Plan 2	--	--	--	Waiting
Schedule	Plan 3	--	2016/4/28 0:0	None	--
Once	Plan 4	2016/4/28 10:40	--	--	Complete
Once	Plan 5	2016/2/10 07:35	2016/3/10 07:35	--	35%
Synchroni	Plan 6	2016/3/12 05:45	2016/2/10 07:35	--	Complete
Once	Plan 7	2016/5/10 13:35	2016/5/10 13:35	--	Complete
Schedule	Plan 8	2016/5/12 15:23	2016/4/12 15:23	--	80%
Synchroni	Plan 9	2016/6/15 08:15	2016/5/15 08:15	--	Waiting

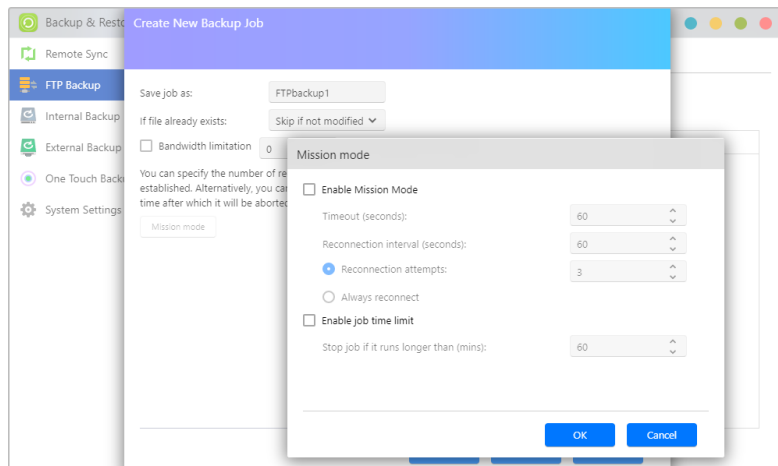
ASUSTOR's Backup Plan software for Windows provides you with worry-free backup. Simply schedule a regular backup job of your PC to your NAS, then let Backup Plan take care of the rest. Backup Plan will work in the background to ensure that your PC is always backed up.

Real time synchronization

Any data that is lost between scheduled backups is unprotected. Backup Plan lets you configure real time file synchronization for those important and ever-changing file folders. Any changes that you make to your protected files and folder will be updated in real time. Now you can rest assured knowing that your critical files are always protected and up to date.



Mission Mode



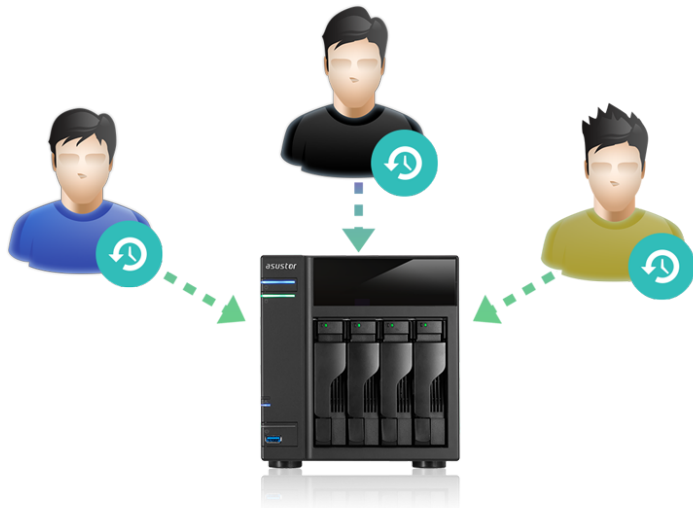
Never again worry about your critical backup jobs stopping or failing to complete because your ASUSTOR NAS won't stop until it's 'mission complete'. Sometimes backup jobs may be stopped because of various connection problems with a busy server on the other end. For Rsync, FTP, external and cloud backups, ASUSTOR's Mission Mode allows you to configure the number of connection attempts and time interval for connection attempts, ensuring for the successful completion of your backup mission. This also gives IT administrators a significant amount of flexibility when configuring backup jobs.

Optimized for your Mac

Mac lovers rejoice! You can use your Mac's built-in backup, Time Machine, to easily back up your Mac to an ASUSTOR NAS. All ASUSTOR NAS devices have been optimized for use with Time Machine, providing Mac lovers with a familiar and easy to use backup solution.



Multi-user support



Different Mac users can now safely backup their computers to the same NAS device. Unlike other NAS devices, ASUSTOR NAS does not just use one group account to carry out backup jobs for all Mac users, storing all their jobs under the same directory. With ASUSTOR NAS each Mac user is able to use an independent account and backup location thereby guaranteeing privacy for all.

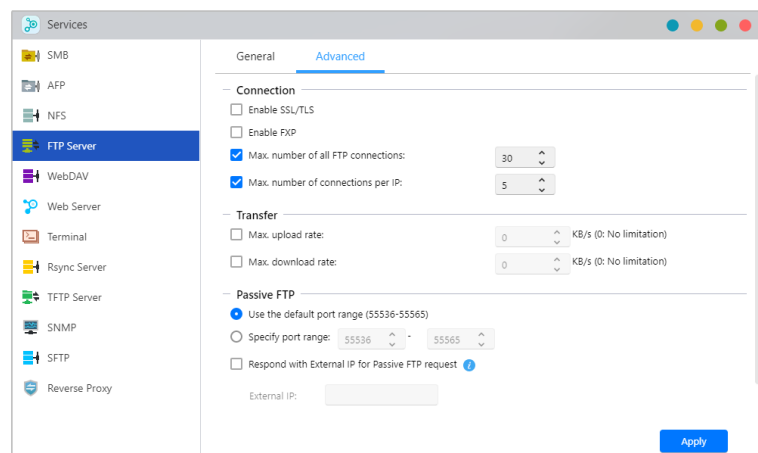
A cost-effective and efficient mail service solution

The ability to send and receive email is fundamental to all businesses. However, expensive

implementation costs and complicated management create barriers for most small and medium sized businesses. ASUSTOR's Mail Server offers a comprehensive and cost-effective solution that allows any business to easily maintain their own dedicated mail server.



Your own FTP server

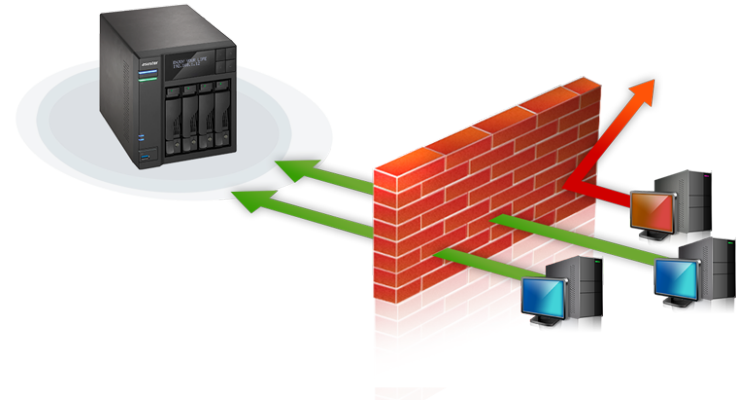


FTP is one of the most widely used and popular transfer protocols in the world. Every ASUSTOR NAS has a built-in FTP server feature that allows you to create a personal FTP server in just a matter of seconds. Hosting your own FTP server will instantly give you the power to share and exchange files over the internet.

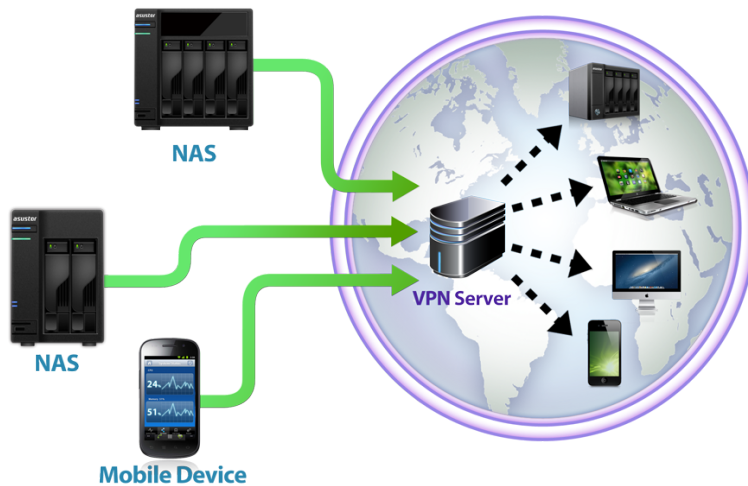
Firewall

Use ADM Defender's firewall to control access to your NAS. Ensure the security of your

system by deciding who has access to your NAS and who doesn't.



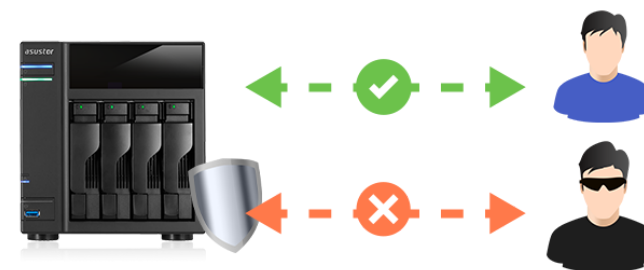
Secure connections



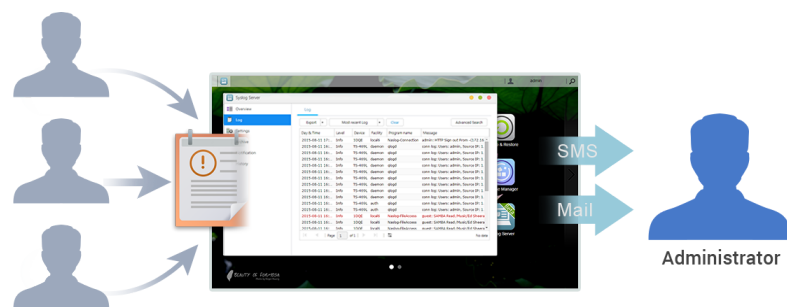
ASUSTOR NAS supports VPN connections giving you secure access and flexible deployment options. Your NAS is able to act as a VPN client which can then connect to VPN servers via PPTP or OpenVPN protocols, allowing you to gain access to different virtual private networks. ASUSTOR NAS also supports the creation of multiple VPN connection profiles allowing you to easily switch connections between different VPN networks.

Network Defender

ADM Defender's Network Defender function protects you from malicious attacks and prevents hackers from trying to access your NAS. Any client IP addresses with too many unsuccessful login attempts to your NAS within a specified time period will be blocked by Network Defender.



Effectively simplifying network management



Syslog Server supports standard Syslog protocols and can centrally aggregate system logs that are spread out over various network devices for storage and management. Furthermore, Syslog Server integrates with the NAS's Instant Notification function, allowing administrators to receive e-mails or SMS notifications when specified events occur, in order to quickly employ appropriate measures.

Military Grade Encryption

Your most important data deserves the best security. ASUSTOR NAS offers folder based military grade AES 256bit encryption, giving you the type of security and privacy that you require for your most confidential data. All data stored in encrypted folders will be automatically encrypted and secured to the highest of standards. Should you ever lose your NAS or hard disks, you still needn't worry about your sensitive data falling into the wrong hands.



Folder-based efficiency



Unlike other NAS devices, ASUSTOR NAS gives you the flexibility to select the individual folders that you want to encrypt. Other NAS devices encrypt entire storage volumes which significantly slows down the system. Any encrypted portions of storage volumes will be subject to a decrease in performance. However, with ASUSTOR NAS you are free to encrypt only your most confidential data while leaving other data unencrypted, creating a perfect balance between performance and security.

No more waste

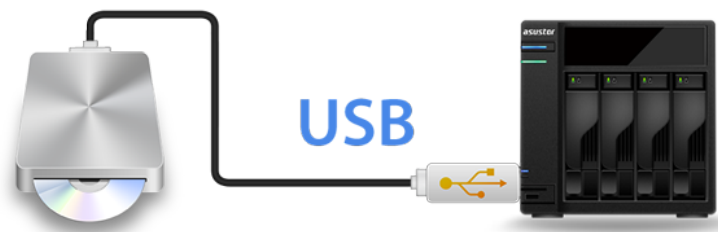
Still wasting money and time burning CDs or DVDs every time you need to install some software? ASUSTOR NAS supports the mounting of ISO files which provides you with a

cost effective and environmentally friendly solution that effectively lowers CD and DVD waste.



External Optical Drive Support

After connecting an external optical drive (CD, DVD, Blu-ray) to your NAS via USB, you can use File Explorer to directly access any files that you have backed up to optical media and



even transfer files from your optical media to your NAS via drag and drop for future access.

Note:

1. This function only provides data access and does not support the audio and video playback of optical media.
2. Certain optical drives will require additional power in order to operate properly. If you find that your optical drive is not spinning or reading correctly, please use a USB Y-cable to add additional power.

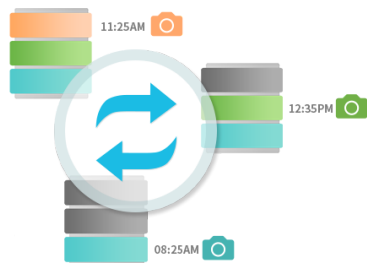
Unleash unlimited potential

The applications that come pre-installed with each ASUSTOR NAS device are just the beginning. At your convenience, you can browse through and download any applications that pique your interest from App Central. App Central allows you to explore the unlimited potential of ASUSTOR NAS devices while creating a personalized NAS device for yourself.



iSCSI LUN Snapshots Stable, fast and capacity-saving

ASUSTOR's snapshot technology provides almost instantaneous creation of snapshots. It saves a significant amount of time and storage capacity when compared with traditional LUN backups. Should files become damaged or corrupted, the simple and intuitive



interface allows administrators to quickly restore data, completing disaster recovery in the fastest time possible and providing uninterrupted service.

Keep an eye on it

Worried about leaving your home unattended? Keep an eye on the most important things with Surveillance Center. Surveillance Center's fully optimized interface allows you to simultaneously view live feeds from up to 4 IP cameras, take snapshots and control the pan tilt and zoom functions of all cameras giving you complete peace of mind.



The best things in life are free

ASUSTOR's Surveillance Center comes with 4 license free channels letting you to setup 4 different network IP cameras. This significantly lowers startup costs for your surveillance system. No matter if you prefer to use Microsoft Internet Explorer, Mozilla Firefox or Google Chrome, Surveillance Center's easy-to-use browser based interface and quick start wizard will allow you to create a security surveillance system in a snap.



A movie theatre in the palm of your hand

AiVideos brings you the smoothest mobile video viewing experience around. Browse through the video collection on your NAS without needing to wait for long downloads. Enjoy high-definition 1080p streaming video with just one click. You can even select multilingual subtitles and different audio channels to enjoy films in different languages, bringing the movie theatre to your mobile device.

*Recommended to be used with [MXplayer](#)

Supported mobile: Android only

Enjoy more offline video content





You can even view videos offline! Download videos from your NAS to your phone in a just a few taps without needing to connect an external USB cable. Sometimes you may encounter unstable Wi-Fi reception causing long wait times for your downloads. At this time you can switch to a more stable Wi-Fi signal and AiVideos will resume your downloads from where they were interrupted. With this convenient feature, you no longer need to worry about half-downloaded files!

Stay Connected to Everything You Care About with AiSecure

AiSecure allows you to easily keep an eye on everything that is happening at home. In addition to monitoring live views of particular locations, AiSecure also features instant push notifications that can be sent to your mobile device when specified events occur, allowing you to grasp all the latest developments in the palm of your hand.



Simple to Set Up

AiSecure dramatically simplifies the connection process to your surveillance feeds.* After enabling Cloud Connect on your NAS, you will be able to use your dedicated Cloud ID to connect to Surveillance Center, allowing you to easily monitor all the important things in



your life from any corner of the world.

*AiSecure provides 3 different connection methods:

1. Connecting via Cloud ID.
2. Connecting via Auto Discovery to ASUSTOR devices on the same network.
3. Connecting via IP/Hostname.

Your mobile cloud data manager

Get access to your data in the cloud and on your NAS from the convenience of your mobile device with ASUSTOR's AiData mobile app. With its intuitive interface and incorporation of well-known cloud storage services, AiData allows you to manage all the files on your NAS and across the cloud.



Convenient features

AiData features a host of convenient features to enrich your digital lifestyle. Use your mobile device to rename, copy, move or delete data on your NAS. Save items as favorites for quick offline browsing while on the go or upload your photos directly from your phone to your NAS. Have a file on your NAS that you want to share? Instantly email download

links to your friends and family. AiData's features truly let you take advantage of your personal cloud.



Intuitively integrated

You can download data from your NAS to any folder on your Android/iOS device or upload files from folders on your Android/iOS device to your NAS. Now, data on your NAS and the rich variety of apps on your mobile devices can be more closely integrated than ever before.

When browsing through the substantial amount of data on your NAS, you can choose to list files in ascending or descending order according to filename, size or date modified, giving you better organization when managing files.



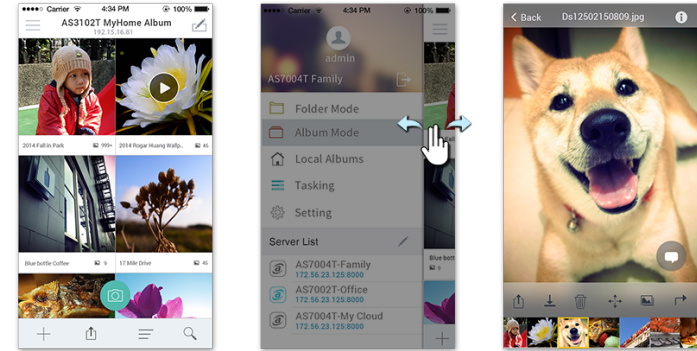
Enhanced Mobile Privacy Protection

Worried about losing your phone and accidentally giving someone full access to all the data on your NAS? Passcode protection is your first line of defense. When using passcode protection, you will need to enter a correct passcode before being able to use an ASUSTOR mobile app. This significantly enhances mobile privacy while ensuring that you won't have to worry about accidentally giving someone access to your NAS.

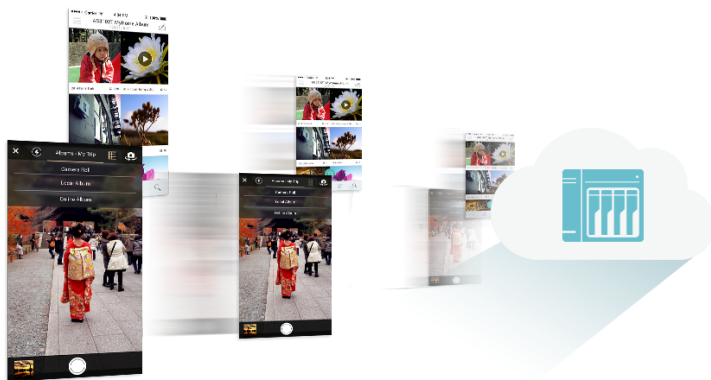


The most intuitive way to browse through your photos

AiFoto presents each photo using refined thumbnail previews. Effortlessly browse through all your favorite memories stored on your NAS with just the swipe of a finger.



Automatic photo uploading

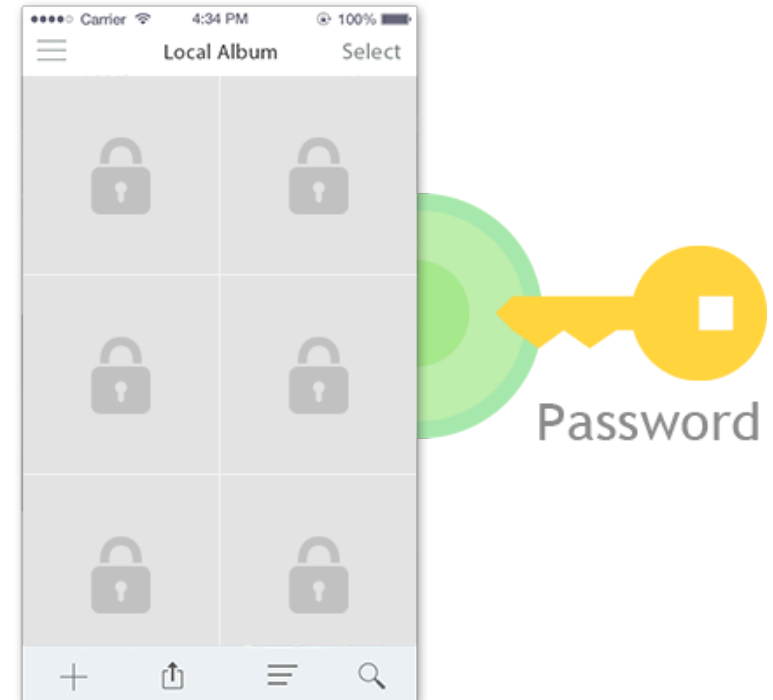


The automatic camera roll upload function ensures that you will never have to worry about how to backup your photos. Let AiFoto automatically take care of your backup needs! You can also open an online album and take photos that will be automatically uploaded to the album, giving you easy organization of your photos.

*Note: Due to the limitations of iOS, iOS apps cannot perform automatic photo uploading background tasks for more than 3 to 10 minutes. Please keep the app running when trying to upload photos.

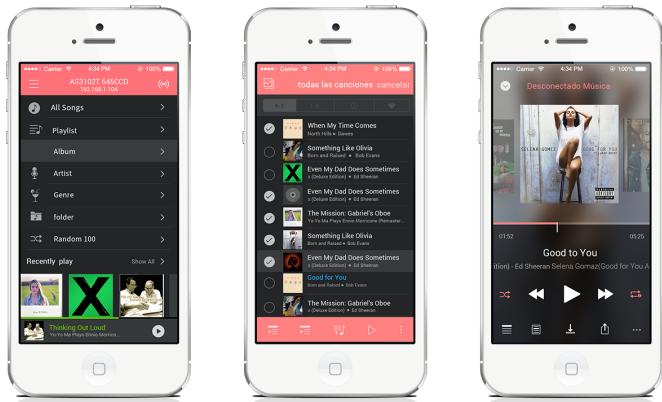
Offline album encryption

People will always be curious. Protect your privacy with password encrypted offline albums to create a private space that belongs to you and you alone.



Terabytes of music in the palm of your hand

AiMusic allows you to stream music from your NAS to your mobile device, letting you enjoy your entire music collection while on the go.



A variety of listening experiences

Play music from playlists that you create yourself for an optimal listening experience. Like listening to random songs? AiMusic's Random songs play mode is your best friend! You need only select it once to create a random playlist from your entire music collection, allowing you to enjoy a new listening experience each and every time.



Listen to your favorite songs while offline

AiMusic also allows you to download songs from your NAS to your mobile device for offline listening. No matter if it is a single song, an album or an entire playlist, all can be easily downloaded to your mobile device for convenient listening.



Download on the go

Imagine the convenience of downloading while on the go and then having your downloads ready as soon as you get home. With ASUSTOR's AiDownload, all this is possible and more. AiDownload is a mobile app that works with ASUSTOR's Download Center to provide you with download management on mobile. Searching, downloading, configuring and monitoring can all be done with AiDownload. Torrent* magnets also automatically add download tasks to AiDownload, making downloading easier than ever!



NAS management at your fingertips



AiMaster is ASUSTOR's NAS management app for mobile devices that allows you to easily control all your NAS devices no matter if you are a home user or IT administrator.

Instant notifications

AiMaster features real-time system event notifications allowing you to monitor your system status from the convenience of your mobile device. When certain events occur, notifications are sent to your mobile device in the form of push notifications helping you stay abreast of all the latest developments.



Stay in sync with your NAS

With AiMaster you are never far from your NAS. Manage all your services, applications, and backup jobs at any time and from any place. Execute one touch backup jobs and monitor all users and system status. Even use the Find Me function to locate your NAS among many. All this is possible and more with AiMaster.



Your mobile device as your remote

Now your phone can become a remote control for the ASUSTOR Portal.

AiRemote allows you to control all types of functionality on the ASUSTOR Portal. From the basic up, down, left, right controls used with the ASUSTOR Portal interfaces to the play, pause, rewind, fast forward and volume controls used when playing videos, AiRemote has got you covered.



Hardware Specifications

AS3302T

CPU

Realtek RTD1296 1.4GHz (Quad-Core) Processor

Memory	2 GB (not expandable)
HDD	2 x SATA3 6Gb/s; 3.5" HDD
Expansion	USB 3.2 Gen 1 x3
Maximum Drive Bays with Expansion Unit	14
Size	170(H) x 114(W) x 230(D) mm
Power Consumption	12.3W (Operation) 6.04W (Disk Hibernation);



Software & Features

Operating System

- ADM 3.5 Onwards
- Supports Online Firmware Updates

Supported OS

iSCSI Read/Write (5GB file, 1GbE x 1)/IP-SAN

- Maximum Targets: 256
- Maximum LUNs: 256
- Maximum Snapshot Versions of a Single LUN: 256
- Target Masking

Network Recycle Bin

- Share folder-based
- Maintains original directory structure and file permission
- On-click restore
- Supports scheduled emptying
- Filtering rules

- Windows XP, Vista, 7, 8, 10, Server 2003, Server 2008, Server 2012
- Mac OS X 10.6 Onwards
- UNIX, Linux, and BSD



Supported Languages

- Deutsch, English, Français, Italiano, Nederlands,Русский, 日本語, 한글, 简体中文, 繁體中文, Česká, Polski, Svenska, Dansk, Norsk, Suomi, Português, Türkçe, Español, Magyar

Supported Browsers

- Internet Explore 11 Onwards
- FireFox
- Chrome
- Safari
- Microsoft Edge

Network Protocols

- CIFS / SMB, SMB 2.0 / 3.0, AFP, NFS, FTP (Unicode Supported), TFTP, WebDAV, Rsync, SSH, SFTP, iSCSI/IP-SAN, HTTP, HTTPS, Proxy, SNMP, Syslog

File System

- Internal Disk: EXT4 ,Btrfs

- LUN Mapping
- ISO File Mounting
- Supports MPIO
- Persistent (SCSI-3) Reservations

Customized Sign In Page

- 2 Different Template Choices
- Customizable Title, Image and Background
- Image Import Function

Disk Management

- Scheduled Bad Block Scans
- Scheduled S.M.A.R.T Scans

Energy Control

- Configurable Disk Hibernation and Sleep Mode Wait Time
- Configurable Time Period for Sleep Mode Activation
- Automatic Sleep

Network

- TCP/IP (IPv4 & IPv6)
- Link Aggregation: 0
- Jumbo Frame (MTU)
- VLAN
- EZ Connect
- Wireless Network³
- DDNS and EZ-Router
- Supports Wake-on-LAN (WOL)

1. File size
 2. File extension
- Deletion Settings
 1. File size
 2. File date

Access Control

- Maximum Number of Users: 4096
- Maximum Number of Groups: 512
- Maximum Number of Shared Folders: 512
- Maximum Number of Concurrent Connections: 512
- Supports Windows Active Directory
- Supports Windows Active Directory / LDAP

ACL

- Provides both Windows ACL and Linux ACL permission configuration methods
- Can enable Windows ACL for specific shared folders
- Comprehensive support for Windows' 13 types of advanced permission settings
- Can view Windows ACL permission settings from within ADM
- Supports local users and groups
- Exclusive permission reset function allows users to quickly restore default permissions

Security

- AES 256-Bit Encryption

- External Disk: FAT32, NTFS, EXT3, EXT4, HFS+, exFAT, Btrfs

Backup Solutions

- Rsync (Remote Sync) Backup
- Cloud Backup
- FTP Backup
- External Backup
- EZ Sync

System Administration

- Log Type: System Log, Connection Log, File Access Log
- Real-time Online User Monitor
- Real-time System Monitor
- User Quota
- Virtual Drive (ISO Mounting, Maximum 16)
- UPS Support

- Firewall: Prevent Unauthorized Access
- Alert Notifications: E-mail, SMS
- Encrypted Connections: HTTPS, FTP over SSL/TLS, SSH, SFTP, Rsync over SSH
- Built-in Hardware Encryption Engine: AS10/31/32/40/52/53/6/61/62/63/64/65/66/70/71 Series

Network Defender

- Auto black list
- Trusted list
- Black/White list
 - Supports IP/IP range/geolocation

External Devices

- Supports USB/eSATA3 External Storage Devices
- USB Wi-Fi Dongle Support
- Bluetooth Dongle/Speaker Support
- USB Printer Support
- USB DAC/IR Receiver/Keyboard/Mouse Support
- CD ROM Drive/DVD ROM Drive/Blu-Ray ROM

Featured Apps

Antivirus (ClamAV)

- Scheduled Scans
- Automatic Virus Definition Updates

Google Drive

- Each ADM Account is Able to Individually Log in to One Google Account

SNMP Server

- Supports SNMP v1, v2c, v3 and trap
- ASUSTOR NAS MIB provided

- Quarantine Infected Files

Download Center

- Supports BT(Torrent & Magnet Link), HTTP and FTP Downloads
- Torrent Search
- Choose Files Before a BT Task Starts
- Customizable Download Schedule
- Bandwidth Control
- RSS Subscription and Automatic Downloading (Broadcatching)
- ASUSTOR Download Assistant for Windows & Mac
- AiDownload for Android with Push Notification
- Smart Download Function

DataSync for Microsoft OneDrive

- Support OneDrive, OneDrive Business, Google Drive, Dropbox, and Baidu Wangpan
- Supports file filter and bandwidth limitation
- Supported backup methods:
 - Sync
 - Directly upload files to Cloud from NAS
 - Directly download files from Cloud to NAS

DropBox

- Supported Backup Methods:
 - Sync
 - Directly Upload Files to Google Drive from NAS
 - Directly Download Files from Google Drive to NAS

HiDrive

- Support OneDrive and OneDrive Business
- Each ADM Account is Able to Individually Log in to One HiDrive Account
- Supported Backup Methods:
 - Directly Upload Files to HiDrive from NAS
 - Directly Download Files from HiDrive to NAS
- Supported Protocols:
 - Rsync
 - FTP
 - FTPS
 - SFTP
 - Rsync + SSH

hubiC

- Each ADM Account is Able to Individually Log in to One hubiC Account
- Supported Backup Methods:
 - Sync
 - Directly Upload Files to hubiC from NAS
 - Directly Download Files from hubiC to NAS

Yandex

Syslog server

- Supports standard syslog protocol
- Graphical log monitoring by time and device
- Supports TCP and UDP
- Auto log archiving
- User-defined email notification

Surveillance Center

- Up to 64 channels in 720p on single live view display
- On-screen camera controls including camera PTZ, manual recordings, take snapshots, configure camera settings and open Maps
- Up to 4 channels of synchronous and non-synchronous playback with audio
- Intelligent video analytics including motion detection and foreign object detection
- Supported Browsers: Microsoft Edge, Firefox, Chrome
- Event notification supports SMS, E-mail, and mobile push notification
- Automated event action rules
- Role-based access control
- RTSP streaming server (video and audio)
- AiSecure mobile app for iOS and Android with Push notification
- ONVIF Profile S, T supported
- CMS Lite supports connect up to 128 IP Cameras from 32 NAS

- Each ADM Account is Able to Individually Log in to One Dropbox Account
- Supported Backup Methods:
 - Sync
 - Dropbox to NAS
 - NAS to Dropbox

File Explorer

- Web-based File Management
- ISO File Mounting
- Share Links
- Task Monitor
- Browse Files on Local PC
- Thumbnail Previews
- Data Access via External Optical Drive
- Supports video playback¹⁰

FTP Explorer

- Directory Structure View with Drag & Drop Transfers
- Task Monitor
- Stopping of Transmission Task & Resumption of Connection
- Encrypted Connections: Explicit over TLS, Implicit over TLS
- FTP Site Manager
- Bandwidth Control
- Maximum Simultaneous Transfer Control

- Each ADM Account is Able to Individually Log in to One Yandex Account
- Supported Backup Methods:
 - Sync
 - Directly Upload Files to Yandex from NAS
 - Directly Download Files from Yandex to NAS

LooksGood

- Built-in three main video library categories; movies, TV shows, home movies and smart video sorting management
- Efficient global search function allows for searches by keywords followed by the execution of more detailed searches for the purpose of finding categories of movies, TV shows, home movies and parameters such as actors, director, year, genre, writer and title
- Attractive poster wall and thumbnail display
- Automatic production of video poster thumbnails
- Centralized management and ability to configure order of favorites and playlist history
- System administrator is able to configure video library and editing permissions according to user preferences
- Can configure access permissions to share with

- Two different camera license packages are offered: single channel and 4 channels.
- Maximum IP Cam (4 Free Licenses; Additional Licenses to be Purchased)

Series	Maximum IP cam	Local display
AS71	100	N/A
AS7	64	Yes
AS65	64	N/A
AS66	40	N/A
AS63/64	36	Yes
AS61/62	36	Yes
AS52/53	36	Yes
AS50/51	30	Yes
AS31/32	25	Yes
AS40	16	N/A
AS-6	16	Yes
AS-2TE/AS-3	8	Yes
AS-2T	8	N/A
AS10	8	N/A

- Minimum PC Client Requirements
 - CPU: i5/i7 or above
 - RAM: DDR3 4G or above
 - Operating system Windows 7 and onward

- friends and family
- Multimedia conversion feature
- Self-defined smart folder for video conversions
- Supports digital TV recordings via digital TV dongles
- Supports playback of videos in Apple TV via AiVideos tvOS version.

iTunes Server

- For iTunes on Mac & Windows
- Supports AirPlay
- Supports iOS Remote Pairing
- Supported Audio Formats: AIF⁵, M4A (AAC & Apple Loseless), M4P, M4R, MP3, WAV⁵
- Supported Video Formats: M4V, MOV, MP4
- Supported Playlist Formats: M3U, WPL

Mail Server

- Each ADM Account can Become an Independent Email Account
- Email Activity Monitor (Over 1 Week, 1/3/6 Months)
- Provides SMTP, IMAP and POP3 Mail Protocols
- Supports SMTP Relay and Verification
- SMTP-SSL Secure Connections
- Spam Filter and Black List Settings
- Antivirus Scanning for Emails
- Email Alias Creation and Mapping
- Monitoring of Mail Queue

- Windows browsers: Microsoft Edge, Chrome, FireFox
- Display resolution: 1280x800 pixels or higher for best user experience
- Network interface: Gigabit x1
- Independent graphics card is highly recommend

SoundsGood

- Import Personal/Public Music Collection
- Personal/Public Music Collection Permission Control
- Playlist Editor
- ID3 Tag Editor
- Local Speaker Support: HDMI, USB, Audio Jack
- Supported Audio Formats for Browser: MP3, WAV, Ogg
- Supported Audio Formats for Transcoding Through Browser: AIFF, Flac
- Supported Audio Formats for Local Speaker: MP3, WAV, Ogg, AIFF, Flac
- ASUS DAC Support

Takeasy

- Download from YouTube, Vimeo, Twitch and More
- Selectable Video Type and Quality
- Automatic Downloads with YouTube or Twitch Subscriptions
- Preview Downloads in Progress

- Mail Service Activity Log
- Exclusive Email Backup Mechanism
- Auto-Forwarding and Auto-Response Protocols

Photo Gallery

- “Album” and “Browse” Viewing Modes
- Manage Photo Album Access Rights: Public Access, Restricted to Certain Accounts, Album Password
- Multi-level Folder Structure Support
- Supports Tagging of Photos
- Intuitive Sorting and Comprehensive Search Function
- Adjustable Photo Wall Browsing Scales
- Automatic Image Rotation
- One-click Sharing to Social Media (Facebook, Google+, Twitter, Plurk, email)
- Intuitive Drag and Drop Management
- Slideshow Viewing Mode
- Provides Comment Function for Users to Interact with Each Other.
- Supports a Wide Range of Image Formats: JPG/JPEG, GIF, PNG, BMP, TIFF, RAW
- Supports Video Playback

VPN Server

- Supported VPN Protocols: PPTP, OpenVPN, and L2TP/IPsec

- Online Playback

UPnP Media Server

- Supports PS3 and other Digital Media Player Capable Devices
- Supports On-The-Fly Transcoding for Most RAW Images and Audio(OGG, FLAC)
- Supported Image Formats: BMP, GIF, ICO, JPG, PNG, PSD, TIF, RAW Image⁴ (3FR, ARW, CR2, CRW, DCR, DNG, ERF, KDC, MEF, MOS, MRW, NEF, NRW, ORF, PEF, RAF, RAW, RW2, SR2, X3F)

VPN Client

- Supported VPN Protocols: PPTP, OpenVPN, L2TP/IPsec
- Transmission Package Monitor
- PPTP Authentication: PAP, CHAP, MS CHAP, MS CHAP2
- PPTP Encryption: No MPPE, MPPE (40, 128 bit), Maximum MPPE (128 bit)
- OpenVPN Port Control
- OpenVPN Link Compression

- View Current Connections & Ability to Disconnect Suspicious Connections
- Comprehensive Connection Log

Note:

1. Metadata (e.g. title) may not be able to displayed in iTunes.
2. You must first enable real time transcoding for these files in order to play them.



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Dealer
Seal