



Elite performing, high capacity storage solution designed for enterprise environments

The AS6210T comes equipped with an Intel quad-core processor and four high speed Ethernet ports. It is a powerful storage solution created especially for small and medium businesses. From file sharing to storage to backup, The AS6210T handles it all easily.

# AS6210T

- Intel quad-core processor provides exceptional reliability and stability
- Complete iSCSI/IP-SAN and NFS support. VMware, Citrix and Hyper-V ready.
- Provides iSCSI/IP-SAN LUN snapshots, effectively protecting data and ensuring continuous enterprise operation

- Support for RAID 0,1,5,6,10 and hard drive hot swapping
- Windows ACL support combined with Windows AD infrastructure enhances management efficiency for business applications
- New disk tray locks ensure that hard disks will not be accidentally ejected during operation



## The first NAS models to be powered by the latest Intel Celeron processors

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AS62 series devices are powered by Intel Celeron Braswell quad-core processors, equipped with 4GB of dual-channel memory, and feature read speeds of over 398 MB/s and write speeds of over 355 MB/s under RAID 5 configurations.



## Hardware encryption engine

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Focusing on enterprise-class file encryption needs, ASUSTOR has launched the AS61/AS62 series models with built-in hardware encryption engines, allowing data to be completely protected from the moment it is first stored on the NAS. This means that you never have to worry about your confidential data falling into the wrong hands even if your hard disks become lost or stolen. The built-in AES-NI hardware encryption engine also provides read speeds of over 224.71 MB/s and write speeds of over 132.56 MB/s for encrypted data\*.

\*Windows Sequential Read/Write (10GB file, 1GbE x 4 Link Aggregation ALB, AES256)



## Connect with a new generation of I/O technology for limitless possibilities

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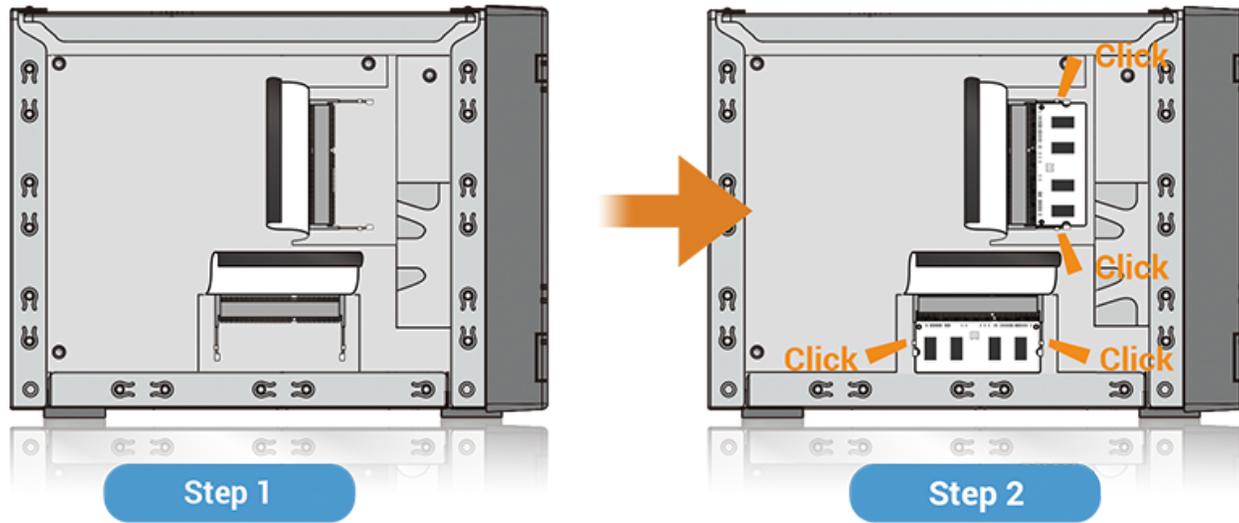
A professional grade NAS needs to be equipped with a diverse array of expansion functionality. ASUSTOR has built in USB 3.0, USB 2.0, eSATA, gigabit Ethernet and HDMI 1.4b ports along with a high fidelity audio S/PDIF port, allowing the NAS to connect to different types of external devices and not be limited to its internal capacity. ASUSTOR NAS redefines the meaning of flexibility and expandability in network storage.



## Effortlessly upgrade memory

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Depending on your usage preferences, you can decide whether or not you want to upgrade memory. AS61/62 devices provide users with the ability to flexibly upgrade memory so there is no need to worry about the memory before you purchasing the device. When upgrading memory, you simply need to remove the cover of the NAS to do it (There are 2 expansion memory slots in total. Memory can be expanded up to a maximum of 8GB.), letting you easily improve system performance and allowing your NAS to simultaneously run more Apps.



## Quick and Easy File Access

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The built-in File Explorer App allows you to access the files on your NAS through a Web browser. Enjoy drag and drop file transfers along with a directory structure view that lets you easily organize your data. Accessing files on your NAS never been easier.



Internet Explorer



Firefox



Chrome



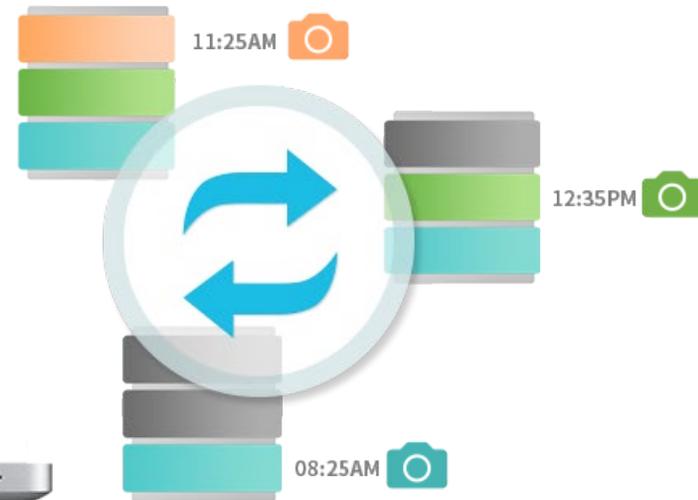
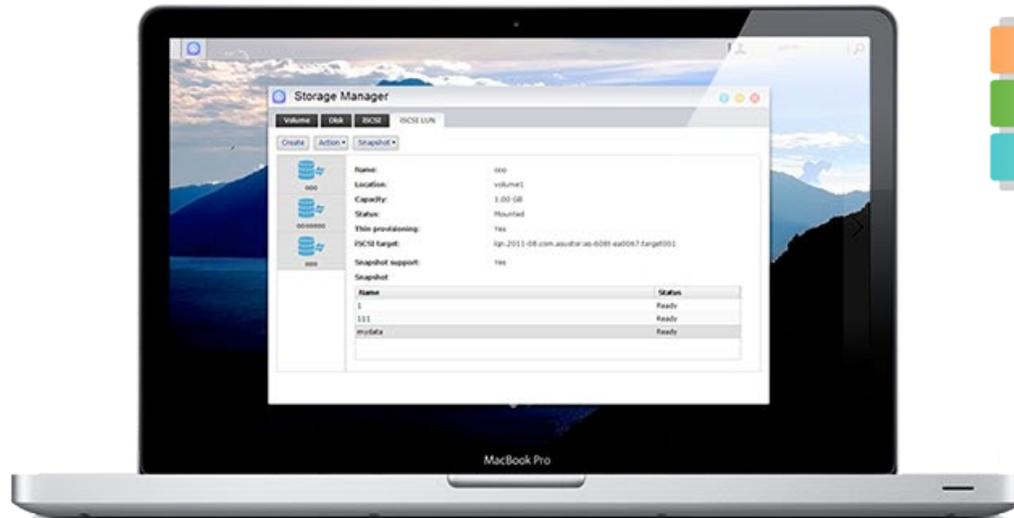
Safari

## iSCSI LUN Snapshots

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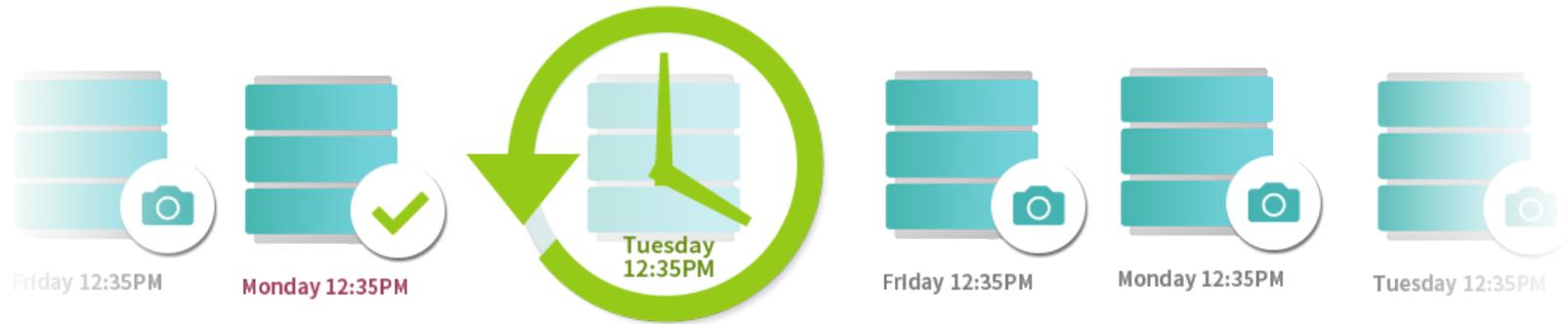
ASUSTOR's snapshot technology provides almost instantaneous creation of snapshots. It saves a significant amount of time and storage capacity when compared with traditional LUN backups.

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.



## Scheduled iSCSI LUN snapshots

Configuring scheduled iSCSI LUN snapshots allows the system to automatically take regular snapshots based on the specified time period, providing continuous protection of LUN data without needing any manual operation or significantly affecting system performance.



## Create a Stable, Reliable and High Quality Surveillance System

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The powerful AS61/AS62 Series devices provide you with stress free reliability when installing a surveillance system in your home or office environment. Installing the Surveillance Center App from App Central instantly turns your NAS into 24/7, high definition surveillance system. Surveillance Center provides comprehensive cross-platform support, allowing both Windows and Mac users to use familiar web browsers to access their surveillance feeds. Furthermore, ASUSTOR also offers the free AiSecure mobile app that gives users access to all their surveillance feeds while on the go. AiSecure also provides the ability to receive instant push notifications from Surveillance Center, allowing users to keep up with the latest developments. No matter if you need to protect individual assets, loved ones or your business, the powerful AS61/AS62 Series devices are your optimal choice when creating a comprehensive surveillance system.

\*Surveillance Center comes with 4 free IP camera channel licenses, which is higher than the industry standard. Users can also purchase add-on camera licenses to flexibly add new camera channels.

\*Two different camera license packages are offered: single channel and 4 channels. Currently, the AS61/AS62 Series devices can be expanded up to a maximum of 36 channels.

\*The maximum number of cameras is based on the test results for each channel using 720P (1280x720), 30 FPS and H.264. Actual performance may vary due to camera settings and NAS load.



## Create the Ultimate Home Multimedia Center

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Enjoy electrifying digital entertainment on demand with ASUSTOR NAS. The built-in HDMI interface and variety of multimedia Apps let you to enjoy all of your favorite multimedia from your NAS by directly connecting it to an LCD/LED TV or amplifier.

ASUSTOR NAS supports Full HD (1080p) output, allowing you to savor your movies, TV shows, music and photos in high definition. What's more, through ASUSTOR's App Central, you can install additional multimedia server Apps such as UPnP Media Server and iTunes Server giving your NAS the ability to stream multimedia content to your computers, TVs and mobile devices.

Additionally, you can also further add a surround sound amplifier to create an unprecedented high definition multi-channel listening experience. Imagine watching your favorite racing movie and being immersed in the roar of the engines. Feel the thrill and the sense of speed as you listen to the sounds of cars whizzing by. Prepare for an unparalleled entertainment experience that will have you on the edge of your seat.



## Even More Reliable After-Sales Service

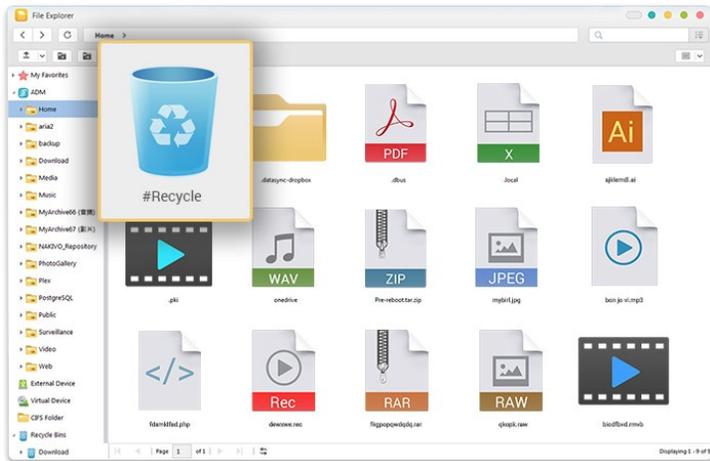
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ASUSTOR has extended the warranty period on all of its products to three years, continuing to make customer service a huge priority. It is ASUSTOR's mission to continue to provide its customers with products of the highest quality along with only the most reliable and attentive after-sales service and technical support.



## Enhanced Recycle Bin mechanism

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The Network Recycle Bin mechanism has been updated in ADM 2.5.2 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

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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

## Not enough storage space?

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

ASUSTOR NAS supports online capacity expansion<sup>1</sup> 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.

<sup>1</sup> You must use RAID 1, 5, 6, or 10

## Uninterrupted access

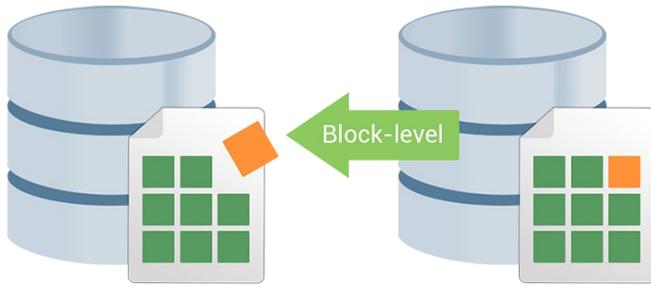
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During the capacity expansion process, while your data is being transferred over to the new disks, you will still be able to access everything on the NAS. Online capacity expansion does not require any advanced IT skills to execute and helps you to 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

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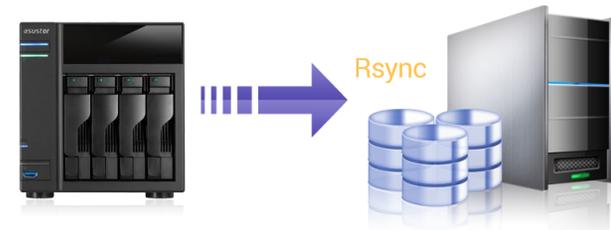
Rsync is an application originally developed for UNIX that is usually used for backup and sync between two computers. By providing block level replication, Rsync is able to offer incremental backup. Incremental backup allows for successive backup jobs (after your first backup job) to only copy data that 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

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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

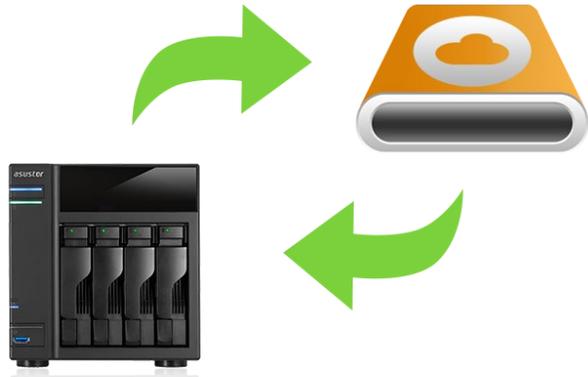


## Regular backups of your vital data

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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

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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

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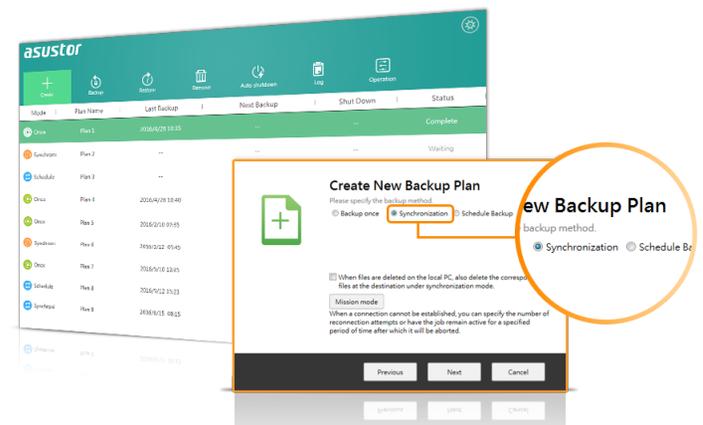
ASUSTOR's Backup Plan software for Windows provides you with worry-free backup. Simply schedule a regular backup job of your PC to your NAS, then let Backup Plan take

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

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

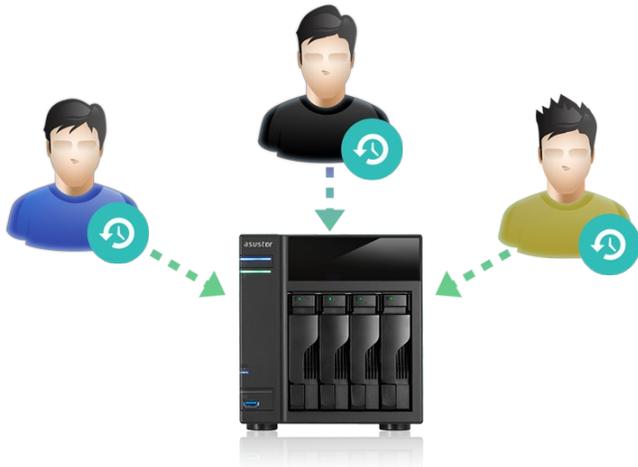
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Mac lovers rejoice! You can use your Mac's built-in backup, Time Machine, to easily back up your Mac to an ASUSTOR NAS. All ASUSTOR NAS devices have been optimized for use with Time Machine, providing Mac lovers with a familiar and easy to use backup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



## Multi-user support

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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

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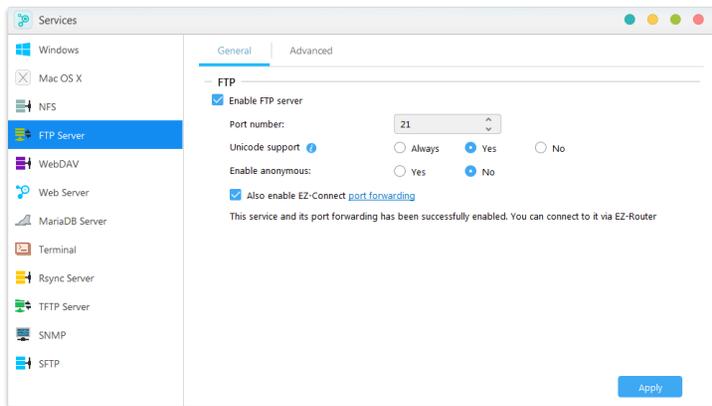
The ability to send and receive email is fundamental to all businesses. However, expensive implementation costs and complicated management create barriers for most small and medium sized businesses. ASUSTOR's Mail Server offers a comprehensive and cost-effective solution that allows any business to easily maintain their own dedicated mail server.



## Your own FTP server

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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

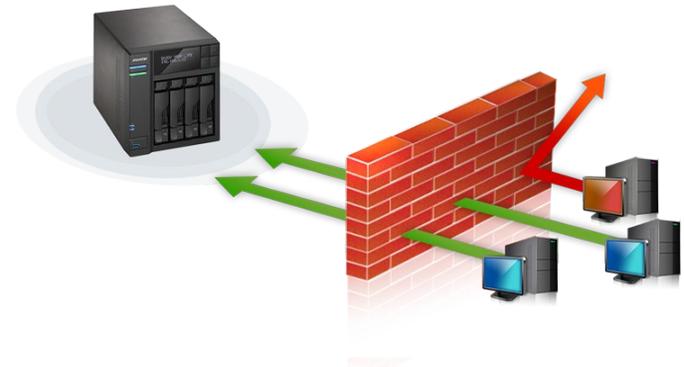


you the power to share and exchange files over the internet.

## Firewall

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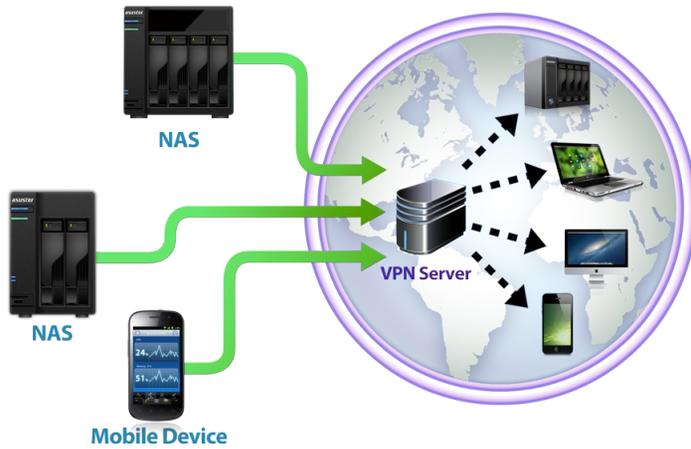
Use ADM Defender's firewall to control access to your NAS. Ensure the security of your system by deciding who has access to your NAS and who doesn't.



## Secure connections

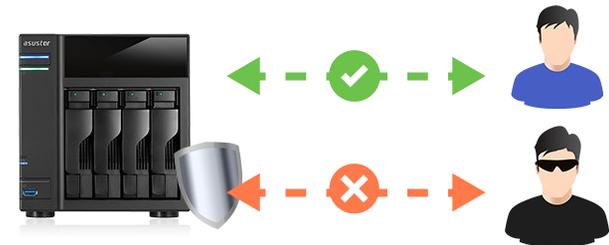
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ASUSTOR NAS supports VPN connections giving you secure access and flexible deployment options. Your NAS is able to act as a VPN client which can then connect to VPN servers via PPTP or OpenVPN protocols, allowing you to gain access to different virtual 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

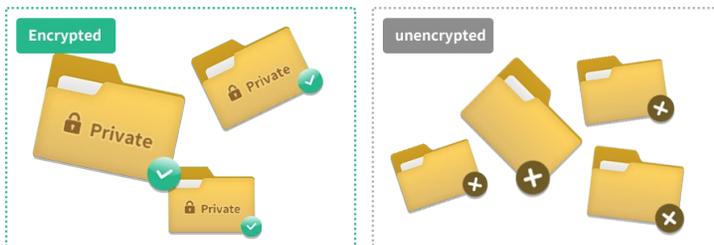
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Your most important data deserves the best security. ASUSTOR NAS offers folder based military grade AES 256bit encryption, giving you the type of security and privacy that you require for your most confidential data. All data stored in encrypted folders 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

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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

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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.



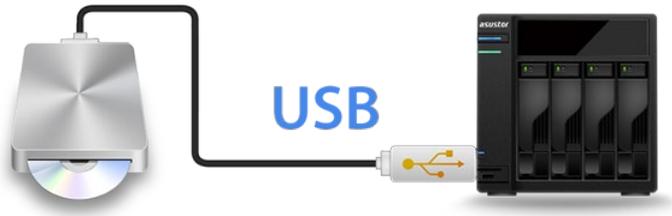
## External Optical Drive Support

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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

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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

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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

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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

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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

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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

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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

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The AiSecure dedicated mobile app 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.

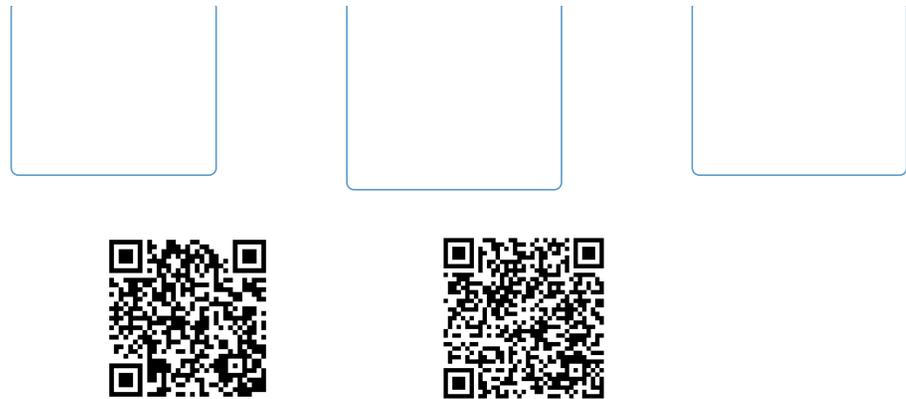
## Your mobile cloud data manager

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

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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

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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

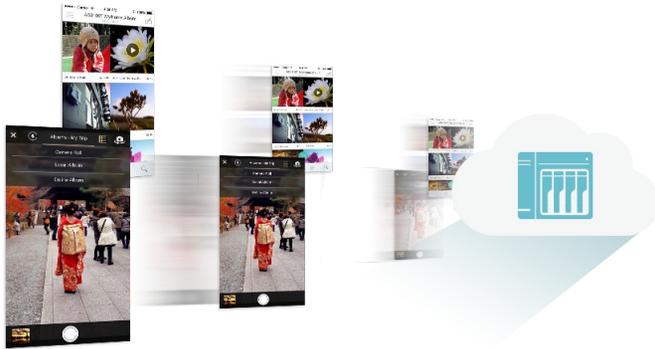
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AiFoto presents each photo using refined thumbnail previews. Effortlessly browse through all your favorite memories stored on your NAS with just the swipe of a finger.



# Automatic photo uploading

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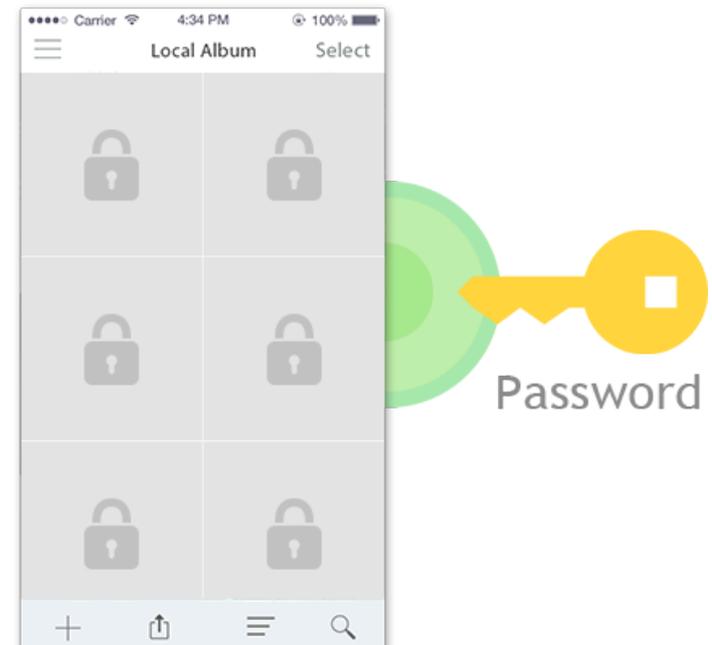
The automatic camera roll upload function ensures that you will never have to worry about how to backup your photos. Let AiFoto automatically take care of your backup needs! You can also open an online album and take photos that will be automatically uploaded to the album, giving you easy organization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

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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

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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

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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

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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

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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

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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

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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

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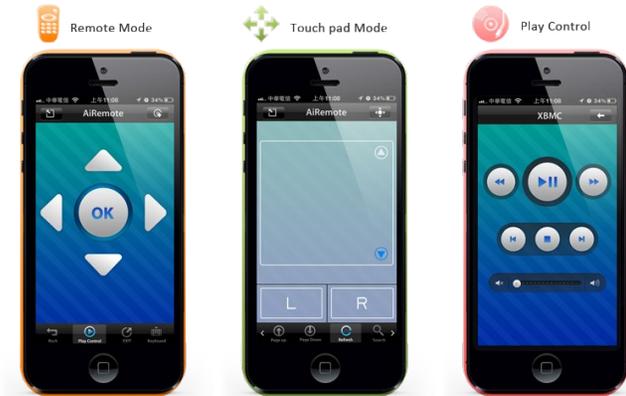


With AiMaster you are never far from your NAS. Manage all your services, applications, and backup jobs at any time and from any place. Execute one touch backup jobs and monitor all users and system status. Even use the Find Me function to locate your NAS among many. All this is possible and more with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

AS6210T	
CPU	Intel Celeron 1.6GHz Quad Core (burst up to 2.24 GHz) Processor
Memory	4GB SO-DIMM DDR3L (2GB x 2, Expandable. Max 8GB) <sup>1</sup>
HDD	10 x SATA3 6Gb/s; 3.5"/2.5" HDD/SSD
Expansion	USB 3.0 x 3, USB2.0 x 2, eSATA x 2
Maximum Drive Bays with <a href="#">Expansion Unit</a>	22



Size	215.5(H) x 293(W) x 230(D) mm
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Power Consumption	68.3W (Operation); 34.4W (Disk Hibernation); 1.5W (Sleep Mode)
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## Software & Features

### Operating System

- ADM 3.1 Onwards
- Supports Online Firmware Updates

### Supported OS

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



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

### Network Recycle Bin

- Share folder-based
- Maintains original directory structure and file permission
- On-click restore
- Supports scheduled emptying
- Filtering rules
  1. File size
  2. File extension

### Access Control

- Maximum Number of Users: 4096

## 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

## Virtualization

- VMware ready
- Citrix ready

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

## 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: Supports 802.3ad and Six Other Modes for Load Balancing and/or Network Failover
- Jumbo Frame (MTU)
- VLAN
- EZ Connect
- Wireless Network<sup>3</sup>
- DDNS and EZ-Router
- Supports Wake-on-LAN (WOL)

## Backup Solutions

- Rsync (Remote Sync) Backup
- Cloud Backup
- FTP Backup
- External Backup
- Internal Backup Using Internal High Speed SATA's 6GB Bandwidth to Back up to MyArchive/Volume

- 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
- 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: AS70/64/63//62/61/31/32/10 Series

## Network Defender

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

## External Devices

- One Touch Backup

## 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

- 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

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### Antivirus

- Scheduled Scans
- Automatic Virus Definition Updates
- Quarantine Infected Files

### ASUSTOR Portal(HDMI Local Output)<sup>6</sup>

- Supports Output for 4 Channels of Megapixel IP Camera Video Feeds
- Support Chrome / Chromium browsers.
- Downloads from Chrome/Chromium Automatically Saved to the NAS
- Power Control Settings: Power on, Sleep, Restart and Wake via Remote
- Customizable ASUSTOR Portal Desktop Wallpaper
- Add Shortcuts to Favorite Websites
- Increased TV Compatibility via Overscan and Resolution Settings
- Max. Resolution: 1080p(HD)/2160p(4k)<sup>7</sup>

### Google Drive

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

### SNMP Server

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

### 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 36 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

ASUSTOR Portal comes preloaded with Netflix and Youtube. Users can install the supplementary URL-Pack to get access to even more popular video streaming sites such as Plex, Vimeo and Youku.

- After installing URL-Pack-Social, users will be able to choose between social media sites such as Facebook, Google+, Hangouts, Pinterest, Twitter, LinkedIn, WhatsApp and Instagram.

## VirtualBox

- Virtual Machines are Able to run the Following Operating Systems: Windows, Linux, Solaris, Mac OS X
- Virtual Machine Import Format: OVF
- Virtual Machine Export Format: OVF 0.9, OVF 1.0, OVF 2.0
- Virtual Machine Snapshots
- Virtual Machine HDMI Audio Output
- Physical NAS Network Port can be Designated for use by Specific Virtual Machine

## 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

- SFTP
- Rsync + SSH

## 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 according to the Movies, TV Shows, Home Movies categories 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 can configure video library and editing permissions according to user
- Can configure access permissions to share with friends and family
- Multimedia conversion function
- Self-defined smart folder for video conversions
- Supports digital TV recordings via digital TV dongles
- Easy streaming with Chromecast and DLNA
- Support to watch videos in Apple TV via AiVideos tvOS version

## iTunes Server

- For iTunes on Mac & Windows
- Supports AirPlay

detection and foreign object detection

- Supported Browsers: Windows Internet Explorer, Microsoft Edge, Firefox, Mac Safari, Mac Firefox ESR
- 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™ 2.4, Profile S certified
- CMS Lite supports connect up to 128 IP Cameras from 32 NAS
- 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
AS7	64	Yes
AS63/64	36	Yes
AS61/62	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

- Smart Download Function

## DataSync for Microsoft OneDrive

- Each ADM account is able to individually log into a OneDrive account
- Supports file filter and bandwidth limitation
- Supported backup methods:
  - Sync
  - Directly upload files to OneDrive from NAS
  - Directly download files from OneDrive to NAS

## DropBox

- 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 playback<sup>10</sup>

## FTP Explorer

- Directory Structure View with Drag & Drop Transfers
- Task Monitor
- Stopping of Transmission Task &

- Supports iOS Remote Pairing
- Supported Audio Formats: AIF<sup>5</sup>, M4A (AAC & Apple Loseless), M4P, M4R, MP3, WAV<sup>5</sup>
- 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
- 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

Operating system Windows 7 and onward, Mac OS X

- Windows browsers: Firefox 32-bit, IE11 32-bit onwards (excluding Microsoft Edge)
- Mac browsers: Safari 7.0, 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
- Online Playback

## UPnP Media Server

- Supports PS3 and other Digital Media Player

- Resumption of Connection
- Encrypted Connections: Explicit over TLS, Implicit over TLS
- FTP Site Manager
- Bandwidth Control
- Maximum Simultaneous Transfer Control

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

## 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 Image<sup>4</sup> (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

### 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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