

A comprehensive 4 bay NAS equipped with an Intel Celeron (Apollo Lake) quad-core processor for powerful 4K output. Economical and perfect for both home and personal use.



AS6404T

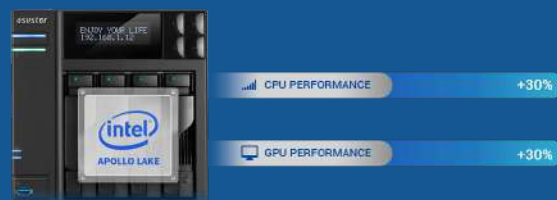
- Enhanced CPU and GPU provides comprehensive performance upgrades
- 8 GB of expandable dual-channel memory
- Utilizes the latest HDMI 2.0 and USB 3.0 Type-C specifications
- Unique WOW (Wake-on-WAN) function provides flexible power control and access



ASUSTOR AS6404T

● Apollo Lake Processor Maximized Computing Power

The all new AS6404T is equipped with the Intel Celeron (Apollo Lake) sixth generation 14nm process built quad-core processor. It features overclocking to 2.3GHz and overall performance that is enhanced by 30% when compared with previous generations, satisfying the needs for 24/7 access in small business environments.



Link Aggregation (RAID 5)

219 MB/S

Read

221 MB/S

Write

Access with hardware Encryption enabled (RAID 5)

213 MB/S

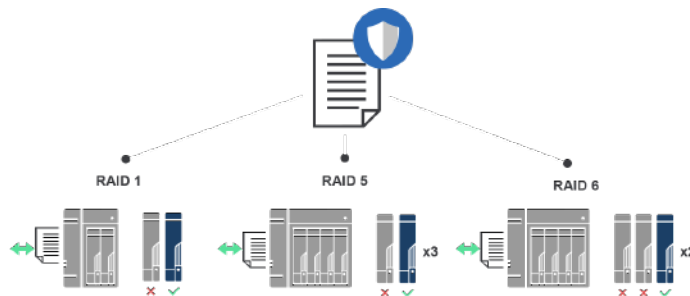
Read

178 MB/S

Write

● 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:



	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	2
Increased System performance	X	X	V	X	V	V	V
Maximum use of Storage space	V	V	V	X	X	X	X


● Enhanced GPU Increased Multimedia Processing Power

The AS6404T features a built-in Intel HD graphics engine, supporting HEVC and VP9 hardware transcoding that significantly enhances multimedia and image processing performance by 30%. This provides an unparalleled fluid usage experience for professionals and prosumers alike.



HEVC
Decode

VP9
Decode

30% 
GPU PERFORMANCE

● Dual-Channel Memory Fluid 4K Performance

The AS6404T comes built-in with 8GB of dual-channel DDR3L SO-DIMM memory, allowing for remarkably fluid 4K playback. Furthermore, support for mixed capacity memory expansion, enhances configuration flexibility.



● USB Type-C Ports Allow you to Connect to a New Generation of Devices

In addition to the existing USB 3.0 Type-A ports, the AS63/64 series devices have added two-way Type-C ports that allow your NAS to easily connect to a new generation of devices, quickly completing transfers of large multimedia files.



● HDMI 2.0 Combined with 4K/UHD Output Provides Crystal Clear Quality Displayed Perfectly

The AS63/64 series supports next generation HDMI 2.0 specifications, featuring up to 60/50P 4K resolution video which provides twice the fluidity of 4K 30P. Combined with built-in 2GB/8GB dual channel memory, this allows for the playback of 4K/UHD with unparalleled smoothness. No matter if it's your treasured collection of Blu-ray quality movies or videos that you have recorded with professional quality cameras, ASUSTOR NAS can perfectly display all of it in crystal clear quality.

*Please note that in order to play 4K/UHD 60P videos, you will need to use a HDMI 2.0 cable



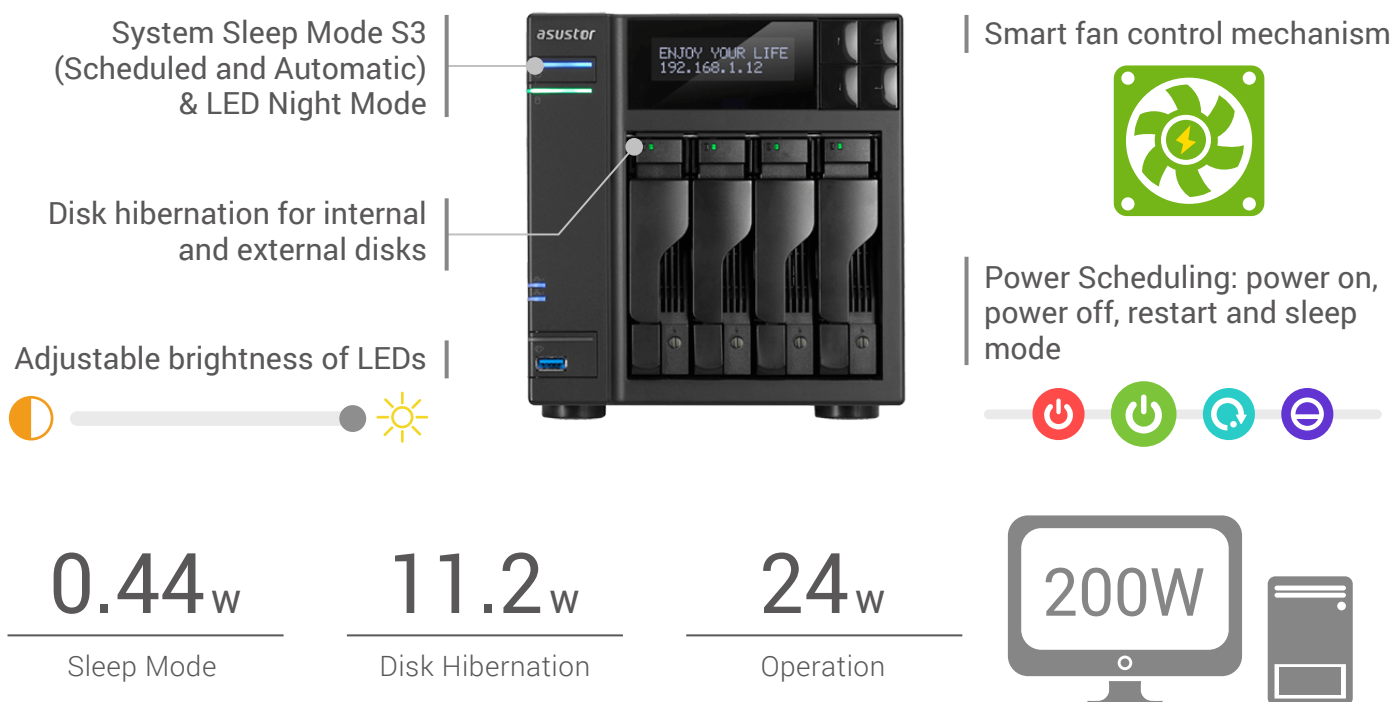
● WOW (Wake on WAN) Always on Standby

Want to access the data on your NAS at any time, but worried that leaving it powered on for a long period of time will result in costly power bills, wear and tear on your hard disks and NAS or that you will become the target of hackers? ASUSTOR has provided the AS63/64 series devices with two types of unique network wake (WOL/WOW) functions easing all of the doubts mentioned above! WOL (Wake on LAN) allows you to wake the NAS from sleep mode or when its powered off as long as you are in the same network. WOW (Wake on WAN) allows you to enable all NAS services via the Internet, providing added flexibility for powering on/off the NAS and data access. These two types of network wake functions allow you to save power, extend the life of your NAS and hard disks, and lower your chances of being randomly hacked, ensuring data security.



● Apollo Lake Processor Green Energy Efficiency

All ASUSTOR NAS products are designed and developed around ecologically friendly concepts. Not only do ASUSTOR NAS devices consume far less power than the average computer or server, but ASUSTOR's power saving and management functions allows users to plan out a whole week's power control schedule. Power scheduling can allow the NAS to power on, power off, sleep or perform other tasks at specified times of the day. This function can help to save a considerable amount of power while also prolonging the life of hard disks. Additionally, the new advanced WOW (Wake-On-WAN) function allows users to wake their NAS and access their files at any time.



● Comprehensive Backup Solutions

The AS63 /64 provides over 12 different backup options and is connected to a variety of public cloud storage services including Amazon S3, ASUSWebStorage, Dropbox, Google Drive, OneDrive, Box.net, HiDrive, Ralus, WonderBox, xCloud and CrashPlan. You can also use FTP Explorer, USB external hard drive enclosures, external hard drives and local backup to ensure proper backup for your data. No matter if you are using Windows, Mac or Linux, ASUSTOR provides the proper tools for your backup needs.

MyArchive cold backup technology turns NAS hard disks into removable storage archives. Directly insert a MyArchive hard disk into the NAS to easily access, backup and share terabytes of content.



● Virtual Machine Applications

Turning your NAS into a computer with 24/7 availability and tremendous energy efficiency is no longer just a dream. You will be able to use VirtualBox to install different types of operating systems to your NAS, creating virtual machines. After creating a virtual machine, your NAS can become your company's backup computer, allowing IT staff maximize resources and achieve optimal effectiveness.



● 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.



● Created for the Digital Home

ASUSTOR NAS allows you to enjoy thrilling digital entertainment at any time. Via the built-in HDMI port and various multimedia Apps the NAS can be connected directly to ultra high resolution 4K TVs and players. Enjoy multimedia with family and friends or use the UPnP multimedia server to stream your favorite media to compatible computers and mobile devices.



● Exclusive MyArchive Cold Backup Technology

MyArchive cold backup technology turns NAS hard disks into removable storage archives. Directly insert a MyArchive hard disk into the NAS to easily access, backup and share terabytes of content.

MyArchive

- Saves power during system standby
- Create an unlimited number of MyArchive hard disks
- Utilizes built-in SATA 6 GB/s interface for faster data transfers
- Compatible with add-on NFS/EXT4/HFS+ file system devices
- Supports AES 256-bit encryption
- Decryption via physical USB key Exclusive



● Multi-Layered Protection from the Outside in

ASUSTOR NAS ensures data security by creating an in-depth data protection plan that protects your data from the outside in. Utilization of a multi-layered deployment scheme allows for the achievement of active network, system and data protection.

Network Attack Protection

- Firewall
- ADM Defender

Access Control

- File/Folder/App Isolated
- 2-Step Verification

Secured Data Transmission

- VPN connection
- SSL certificate connection
- Automatic logout

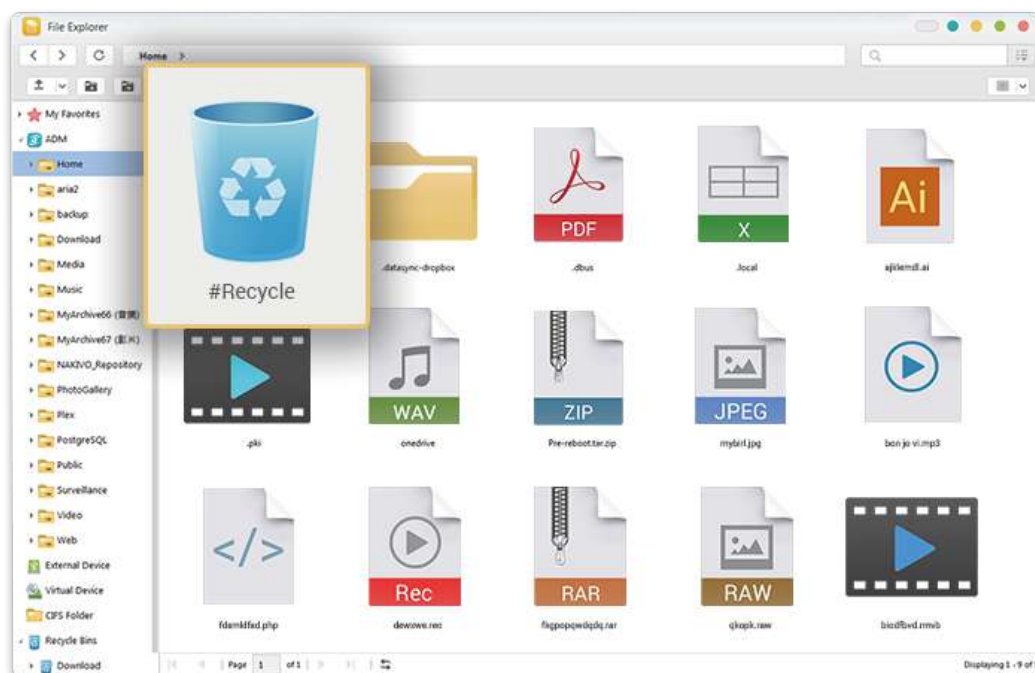


Internal Data

- MyArchive Offline Backup
- AES-256 folder encryption
- Anti-virus software

● Enhanced Recycle Bin mechanism

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.



● Not enough storage space?



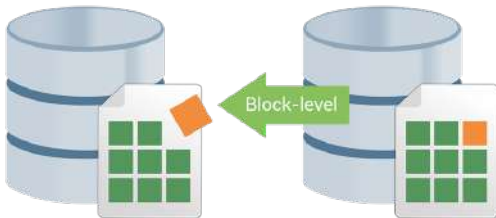
Insufficient storage space forcing you to consider upgrading your NAS to one with more disk bays?

ASUSTOR NAS supports online capacity expansion¹ 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.

¹ 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.



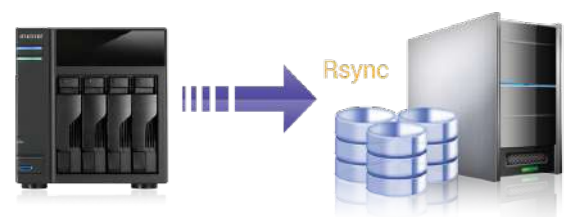
● The ultimate tool for remote backup

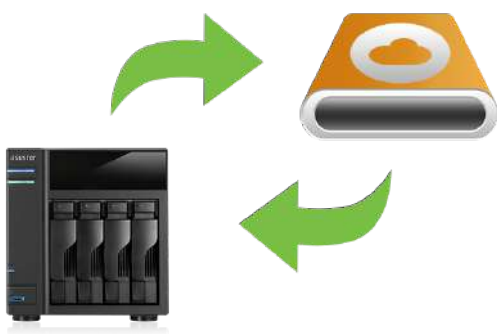
Rsync is an application originally developed for UNIX that is usually used for backup and sync between two computers. By providing block level replication, Rsync is able to offer incremental backup. Incremental backup allows for successive backup jobs (after your first backup job) to only copy data that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

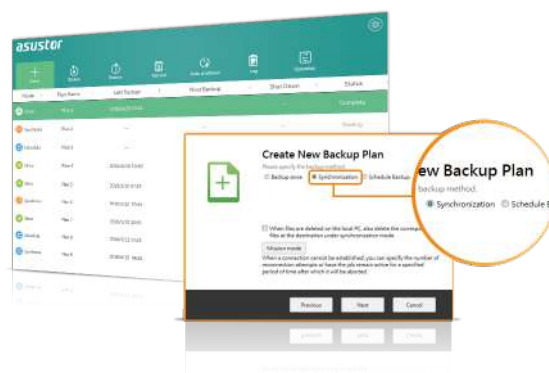
asustor						
	Mode	File Name	Last Backup	Next Backup	Check Status	Status
Sync	Plan 1	2018/12/12 10:00	---	---	---	Completed
Sync	Plan 2	---	---	---	---	Waiting
Schedule	Plan 3	---	2018/12/12 10:00	---	---	Waiting
Sync	Plan 4	2018/12/12 10:00	---	---	---	Completed
Sync	Plan 5	2018/12/12 10:00	2018/12/12 10:00	---	---	100%
Sync	Plan 6	2018/12/12 10:00	2018/12/12 10:00	---	---	Completed
Sync	Plan 7	2018/12/12 10:00	2018/12/12 10:00	---	---	Completed
Sync	Plan 8	2018/12/12 10:00	2018/12/12 10:00	---	---	100%
Sync	Plan 9	2018/12/12 10:00	2018/12/12 10:00	---	---	Waiting

● Set and forget

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.



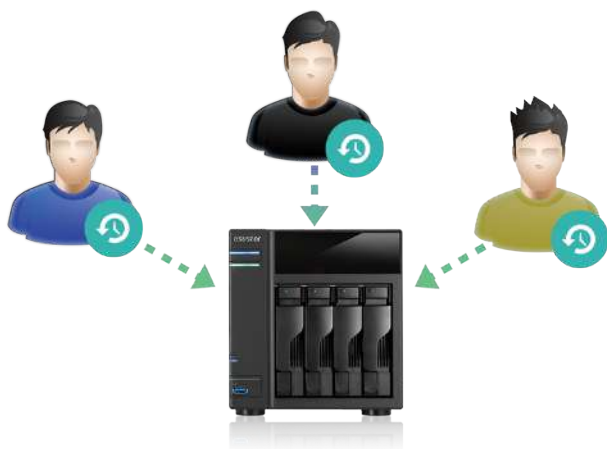


● Mission Mode

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.



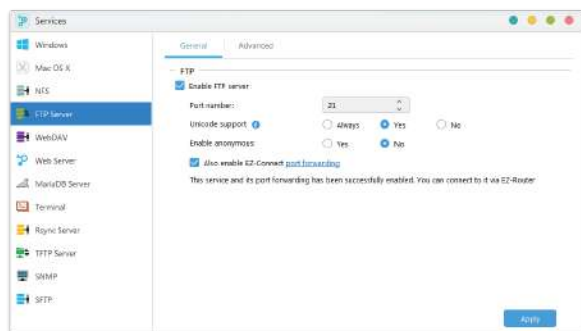
● Multi-user support

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.



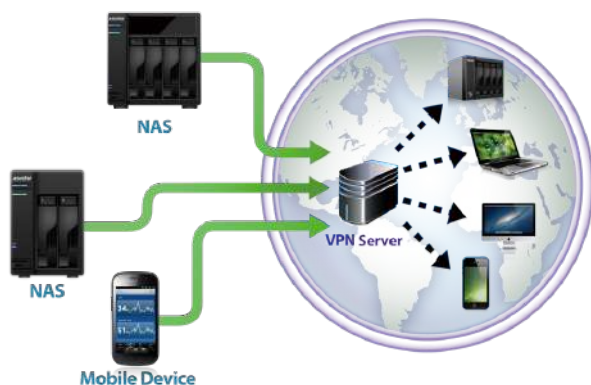
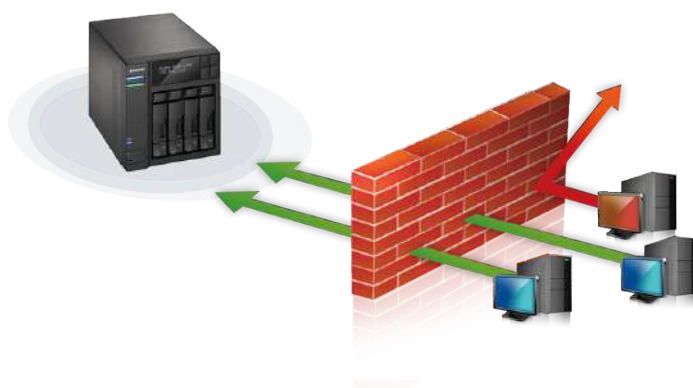


• Your own FTP server

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.

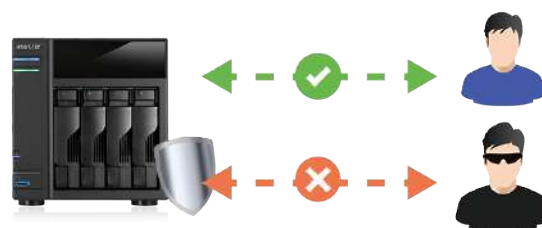


• Secure connections

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.



● 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.



● Comprehensive Surveillance System

The powerful ASUSTOR NAS provides optimal reliability for home and SMB users looking to set up a surveillance system. 4 free camera channels are offered, making it an extremely cost-effective surveillance solution for users with smaller demands. For users with larger demands, the number of camera channels can be expanded up to 36 via purchasable camera licenses. After installing Surveillance Center and its corresponding mobile app AiSecure, users will also be able to stream live surveillance feeds to their smartphones while on the go, keeping an eye on their most valued assets from anywhere.



● Setup your surveillance system in a flash

5 Steps 60 Sec

- Start quick installation wizard
- Automatic camera search
- Add cameras with just one click
- Configure video format
- Configure recording schedule



● Supports a wide variety of cameras

ASUSTOR Surveillance Center supports a wide variety of different camera models, allowing you to choose suitable cameras based on functional needs and cost considerations.



Supports 900+ IP cameras

Surveillance Center is currently compatible with over 900+ IP camera models from world renowned brands. Furthermore, ASUSTOR releases multiple updates each year that add more compatible cameras providing for even more flexible options.



ONVIF Profile S compliant

ONVIF Profile S certification allows Surveillance Center to further expand compatibility for network IP cameras, giving system integrators and home users more flexibility and choice when creating their surveillance system.

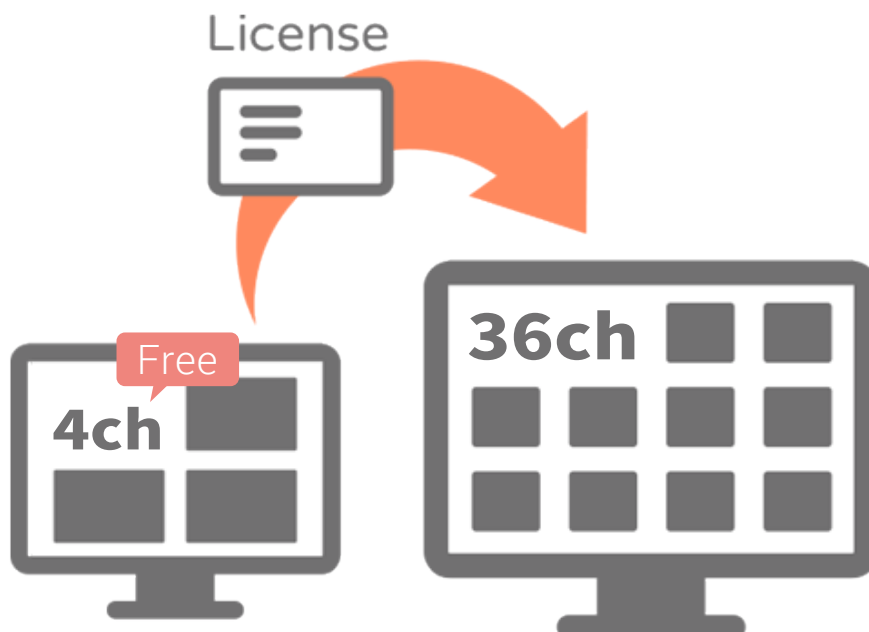


Generic camera support

What do you do if your camera is not on Surveillance Center's compatibility list? Surveillance Center can now receive real-time video streams from cameras via the Generic RTSP function that is supported by the majority of all cameras. This makes basic real-time video streaming and recording with almost any camera a breeze.

● Camera expansion with add-on licenses

Need to monitor more areas? No problem! In addition to the 4 free camera licenses provided by default you can also use ASUSTOR's flexible add-on camera licenses to add camera channels, allowing you to easily expand the scope of your surveillance system. What's more, you can also freely transfer camera licenses among different ASUSTOR devices.



● Stay Connected to Everything You Care About with AiSecure

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.



● A Cutting Edge Apple TV Home Theatre in the Palm Your Hands

The release of the tvOS version of AiVideos allows you to enjoy unparalleled digital entertainment at home. You can download AiVideos via Apple TV and enjoy the video collection from your NAS on your big screen. Get ready for a high definition home theatre experience like no other.



● Mobile Apps

ASUSTOR's exclusive Cloud 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.



● 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 for Android



● 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!



● 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.



ios



Android

● 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.

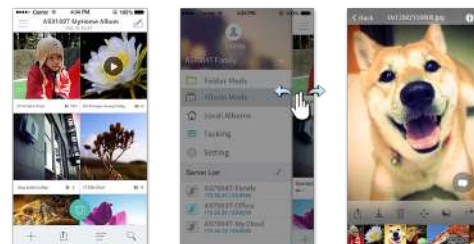


● Enhanced Mobile Privacy Protection

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.

● 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.



● 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.





● Download on the go

Imagine the convenience of searching and downloading while on the go and then having your downloads ready on your NAS as soon as you get home. With ASUSTOR's AiDownload app, all this is possible and more. AiDownload is a mobile app that interfaces with ASUSTOR's Download Center to provide you with mobile download management. No matter if it's searching, downloading, configuring settings or monitoring, you can do it all with AiDownload.



● 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 KODI or XBMC interfaces to the play, pause, rewind, fast forward and volume controls used when playing videos, AiRemote has got you covered.

● Exclusive Dedicated Remote Control App for Kodi

AiCast allows you to control the Kodi/XBMC App installed on multiple ASUSTOR NAS devices from any location. Now you can play movies, music and display photos for your grandparents at home while you are away, even if they don't know how to use your NAS.



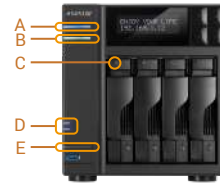
● Ultra-smooth, premium control interface

AiCast simplifies the control of the Kodi/XBMC into an easy-to-use mobile app interface that separates video, audio, images and playback functions into different categories. Effortlessly select the movies, music and photos you want to play with the smooth interface. It's so easy that even a kid could do it!

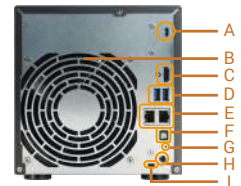
● Hardware Specification

AS6404T

Processor	Intel Celeron J3455 Quad-Core 1.5 GHz (burst up to 2.3GHz) Processor
Memory	8GB SO-DIMM DDR3L (Expandable. Max 8GB)
Internal Disk	4 x (2.5"/3.5" SATA or SSD)
External Device Interface	USB 3.0 x 4 (Type-A x3, Type-C x1)
Dimensions (HxWxD)	185.5 x 170 x 230 mm
Weight	2.9 kg / 6.39 lb
Power	External Power Adapter : 90W
Operation*	24 W
Disk Hibernation*	11.2 W
Sleep Mode (S3)*	0.44 W
Display	1 x HDMI 2.0



- A. Power LED Indicator
- B. System Status LED Indicator
- C. Hard Disk LED Indicator
- D. Network LED Indicator
- E. USB LED Indicator



- A. USB 3.0 Type-C Port
- B. System Fan
- C. HDMI Port
- D. USB 3.0 Type-A Port
- E. RJ45 Port
- F. S/PDIF Port
- G. Reset Button
- H. DC Input
- I. K-lock

* Test HDD : WD Red 3 TB HDD

● Software & Features

Operating System

- ADM 3.0 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

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

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 Network³
- DDNS and EZ-Router
- Supports Wake-on-LAN (WOL)

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

File System

- Internal Disk: EXT4
- External Disk: FAT32, NTFS, EXT3, EXT4, HFS+

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

Backup Solutions

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

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
- Maximum Number of Groups: 512
- Maximum Number of Shared Folders: 512
- Maximum Number of Concurrent Connections: 512
- Supports Windows Active Directory

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

- 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

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

DropBox

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

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

DataSync for Microsoft OneDrive

- Support OneDrive and OneDrive Business
- 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

ASUSTOR Portal (HDMI Local Output)⁶

- 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)⁷
- 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.

XBMC / KODI

- Kodi 14.2 Onwards
- Play All Media Content Stored on NAS
- Video Output via HDMI
- TV Shows, Movies, Apps and More
- ASUSTOR Easy Selectable Shared Folder
- AiRemote Mobile App for iOS & Android
- Supports SBS 3D Playback (Side By Side)
- Max resolution: 1080p(HD)/2160p(4K)⁷

Linux Center

- Integrate NAS operating system with Linux
- Easy installation with just one touch
- HDMI output on command

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

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

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 iOS & Android with Push Notification
- Smart Download Function

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

- 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

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

- 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

Supported Protocols

- Rsync
- FTP
- FTPS
- SFTP
- Rsync + SSH

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

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
- 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

SNMP Server

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

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

Syslog server

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

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

Surveillance Center

Series	Maximum IP cam	Local display	Note
AS7	64	Yes	With 8G memory
AS63/64	36	Yes	With 8G memory
AS61/62	36	Yes	With 8G memory
AS50/51	30	Yes	With 8G memory
AS31/32	25	Yes	N/A
AS-6	16	Yes	N/A
AS-2TE/AS-3	8	Yes	N/A
AS-2T	8	N/A	N/A
AS10	8	N/A	N/A

- Minimum PC Client Requirements
 - CPU: i5/i7 or above
 - RAM: DDR3 4G or above
 - Operating system Windows 7 and onward, Mac OS X
- Windows browsers: Internet Explorer, Microsoft Edge, Chrome, FireFox
- 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

Takeasy

- Download from YouTube, Vimeo, YouKu, Tudou and More
- Selectable the Video Type and Quality
- Automatic Downloads with YouTube Subscriptions
- Preview Downloads in Progress
- 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
- 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 Hard disks not included.

² Test HDD: WD Red 3 TB HDD

³ USB Wi-Fi dongle not included.

⁴ You must first enable real time transcoding for these files in order to play them.

⁵ Metadata (e.g. title) may not be able to displayed in iTunes.

⁶ ASUSTOR recommends that ASUSTOR Portal be used with a TV with a resolution of 720p or higher or a monitor supporting audio output.

⁷ Currently, 2160p(4k) is only available on the 7 / 63 / 64 / 61 / 62 / 31 / 32 series.



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