

**asustor**



## Entry-level centralized data storage for small to medium sized businesses

*Cost-effective, stable, and easy to use, the AS-204RS is ready to meet your company's digital storage needs.*



# AS-204RS

# ASUSTOR AS-204RS

## ● Seamless Cross-Platform File Sharing

ASUSTOR NAS devices provide seamless cross-platform file sharing, allowing you to easily connect to your NAS device no matter if you are using Windows, Mac OS, or Unix-like operating systems. The transfer protocols that you may use to connect to an ASUSTOR NAS device are as follows:

Windows: CIFS/SMB, FTP and WebDAV  
Mac OS X: AFP, SMB, NFS, FTP and WebDAV  
Linux: NFS, SMB, FTP and WebDAV

Additionally, ASUSTOR NAS devices feature our Network Recycle Bin. Any files you delete will be moved to the Recycle Bin, allowing you to restore any accidentally deleted files. Transfer protocols supported by the Recycle Bin include: CIFS/SMB, AFP, FTP and File Explorer.



## ● A Surge in Data Transfer Performance

ADM 2.3 supports SMB 2.0 which reduces the burden of network traffic on the NAS while simultaneously providing greater data transfer capacity. In the ASUSTOR testing environment, SMB 2.0 was found to increase Windows networking performance by 30%-50%\*. SMB 2.0 also significantly increases the number of concurrent Windows client connections and simultaneously open files, making ADM 2.3 even more suitable for large-scale Microsoft network environments.

\* Actual performance may vary due to differences in the installation environment. SMB 2.0 is supported in Windows Vista and later versions of the Microsoft Windows operating system.



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## ● Advanced File Permissions Management - Windows ACL

For IT professionals, file permissions configuration is a very important topic, especially in enterprise environments. Because the native Linux system file permission mechanisms are different than those in Windows, in the past, IT professionals had to create a separate set of permissions for files stored on NAS servers. This also limited the number of permission configuration options that were available to them.

In order to help IT professionals simply their work, ASUSTOR has comprehensively integrated Windows ACL into ADM. Windows ACL provides a set of 13 different permissions settings, allowing administrators to configure permissions for individual files and folders that can be applied to different groups and users. Windows ACL permissions can be configured from within ADM's File Explorer or Microsoft Windows Explorer allowing administrators to easily manage permissions using familiar methods.



## ● 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.

## ● Windows AD Support

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Windows Active Directory (AD) is a directory service created by Microsoft, widely used by many corporations, that allows IT administrators to centralize and manage resources over a network. Understanding the account integration needs that businesses have, ASUSTOR has ensured that all its NAS devices are able to seamlessly integrate with Windows AD. After an ASUSTOR NAS has been successfully added to a Windows AD domain, AD users will then be able to use their own AD accounts to log in to and access the NAS. This provides simple and efficient management for IT staff as they do not need to create new accounts for every NAS added to the domain.

## ● Easy management

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Managing large scale IT environments have always been the heaviest burden for IT managers. ASUSTOR has made continuous efforts in this area to help IT staff simplify their responsibilities and reduce their burden. ADM's easy to use interface provides management tools for network users and groups, allowing IT administrators to configure different folder access rights for each Windows AD user and group.

## ● 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.

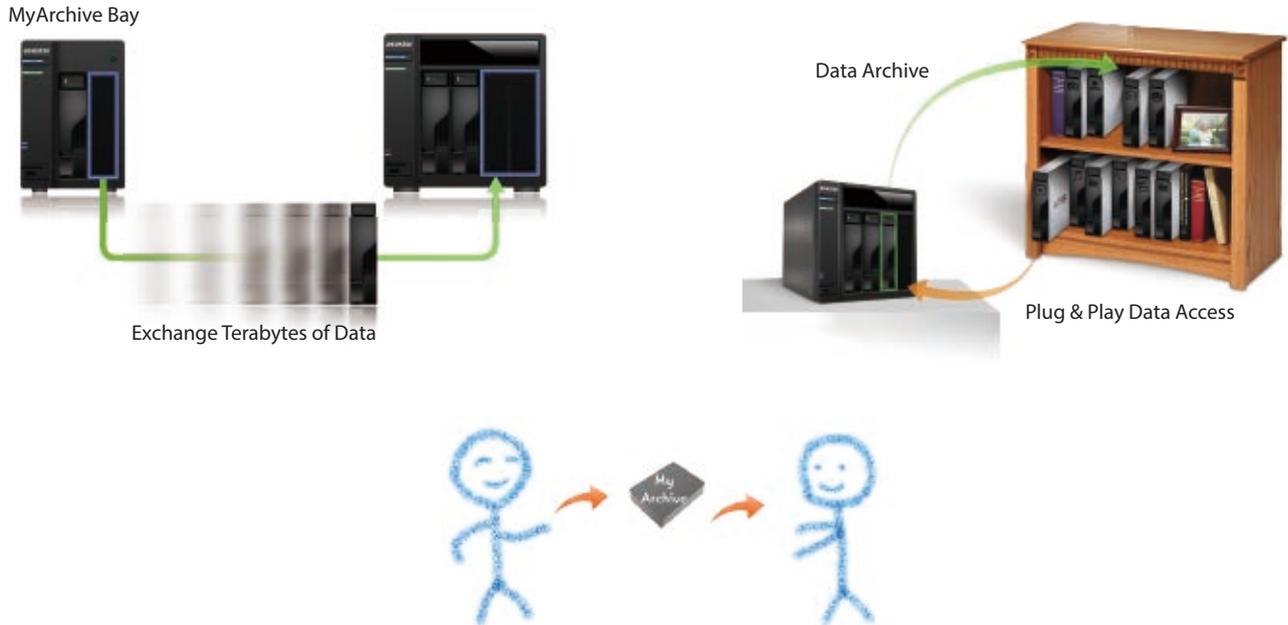
### Note:

This function only provides data access and does not support the audio and video playback of optical media. 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.



## ● NAS hard disks on the go

The MyArchive function allows you to use hard disks as removable storage archives. Plug in an archive when you need it and swap it out for a different archive when you don't. Enjoy "plug and play" convenience as you swap between different data collections. Furthermore, the MyArchive function helps you to save power as the archives you are not using can be taken out for storage and do not always have to be powered on.



## ● 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

## ● Online Capacity Expansion

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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.

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.

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



## ● 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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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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Now home and business users alike can back up the data from their ASUSTOR NAS to popular cloud storage services, including Amazon S3, Google Drive, HiDrive, Dropbox, further ensuring the protection of their data. This means that in the event that the data on your NAS is damaged you will be able to immediately restore it from cloud storages.

## ● Windows Backup

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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 care of the rest. Backup Plan will work in the background to ensure that your PC is always backed up.

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.



## ● Time Machine Backup

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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.

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.

## ● Mission Mode

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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.

## ● Multimedia excitement with ASUSTOR Portal

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There's no need to turn on your computer when you want to play videos or browse the internet. Simply connect your NAS to any HDMI ready display and leave the rest to the ASUSTOR Portal! Within the ASUSTOR Portal you will be able to use Boxee and XBMC which instantly turn your NAS into a multimedia player. Moreover, you can directly browse the Internet using the built-in Google Chrome browser. No matter if it's logging in to ADM to manage your NAS, watching clips on YouTube or monitoring live feeds from Surveillance Center, the ASUSTOR Portal helps you get it done from the convenience of your TV.

## ● 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.

With FTP server, you will be able to access your NAS via FTP from almost anywhere in the world. No matter if you are on a business trip or vacation, or wish to share files with family and friends, all that's needed is a device with internet access and the data on your NAS can be accessed in no time.



## ● Ultimate Power Saving: System Automatically Enters Sleep Mode

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ASUSTOR NAS offers exclusive support for automatic sleep mode, allowing the NAS to automatically enter system sleep mode (S3) after it has been idle for specified period of time. In addition to extending the life of the system and hard disks, this feature can also help you save a significant amount on energy costs. Whenever you need to access NAS, the instant wake allows the system to wake from Sleep Mode within 10 seconds.

## ● System Notifications

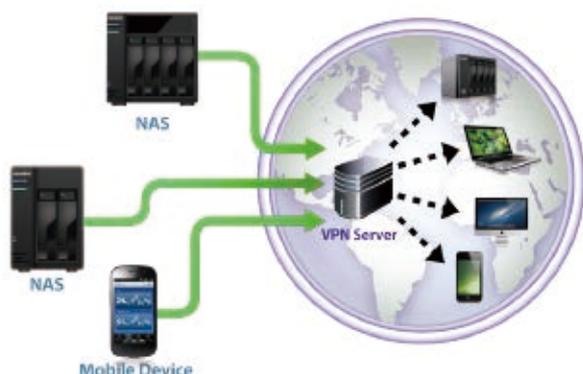
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Always checking up on your NAS? Worried about your data and other digital assets? ASUSTOR NAS features real-time system event notifications allowing you to enjoy peace of mind knowing that you'll be notified about any major system events. Notifications can be sent via Email, SMS or push notification giving you a variety of ways to instantly stay on top of the latest developments.

## ● 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.



## ● Network Defender

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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.

## ● Secure connections – VPN

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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.

## ● Virtual Drive

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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.

## ● Folder-based AES 256-bit Encryption

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Your most important data deserves the best security. ASUSTOR NAS offers folder based military grade AES 256-bit 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.

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.

## ● Recording & Playback

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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.

Surveillance Center offers you a variety of recording options. No matter if you need scheduled continuous recording or recording only when certain events occur, Surveillance Center is sure to satisfy your needs. Surveillance Center's various recording modes are listed below:

- **Manual Recording:** While viewing a live feed, you can click on the record button at any time to begin or stop recording. In the event that you do not stop your recording, Surveillance Center will record until your designated recording quota has been reached.
  - **Continuous or Scheduled Recording:** Whether you require 24/7 continuous recording or recording only during a specific time, Surveillance Center can get the job done ensuring that you never miss any critical moments.
  - **Motion Trigger Recording:** In the event that any motion is detected in the surveilled environment, Surveillance Center will immediately begin recording, allowing you to save significant space on your hard disks and ensuring that you never miss any critical moments.
  - **Alarm Trigger Recording:** Triggering recording via a camera's alarm mechanism allows you to precisely record all critical events. Not only does this save space on your hard disks but also lowers the amount of reading and writing on your hard disks, prolonging their life.
  - **Motion Trigger and Alarm Trigger Recording:** This mode combines motion trigger and alarm trigger recording. If either mode is triggered, recording will begin immediately. This is a comprehensive recording mode that ensures you will never miss any critical moments.
- \* 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, AS-2 series can be expanded up to a maximum of 8 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.



## ● Video Surveillance

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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.

## ● App Central

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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 peak 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.





AiData



AiRemote



AiMusic



AiMaster



AiFoto



AiVideos



AiSecure



AiDownload

## ● The NAS That's Always With You

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ASUSTOR offers multiple mobile apps that give you convenient access to your NAS while on the go.

## ● Stay Connected to Everything You Care About: 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.

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.

## ● Cloud data access from anywhere: AiData

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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.

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.

You can download data from your NAS to any folder on your Android device or upload files from folders on your Android 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.

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

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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.

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.

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

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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.

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.

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.

## ● One stop searching and downloading: AiDownload

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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.

AiDownload includes a push notification feature that alerts you when downloads have been completed. Now you are free to concentrate on your more important tasks knowing that you will be notified as soon as your downloads are finished.

## ● Stay up to date with your NAS: AiMaster

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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.

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.

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 NAS multimedia player remote: AiRemote

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What would a home entertainment center be without a remote control?

AiRemote is a mobile app that turns your mobile device into a remote control for Boxee on ASUSTOR NAS. Now you can operate Boxee wirelessly and access all the media content on your NAS from the comfort of your couch. All that's left to do is to sit back, relax and enjoy the show.

## ● A movie theatre in the palm of your hand: AiVideos

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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.

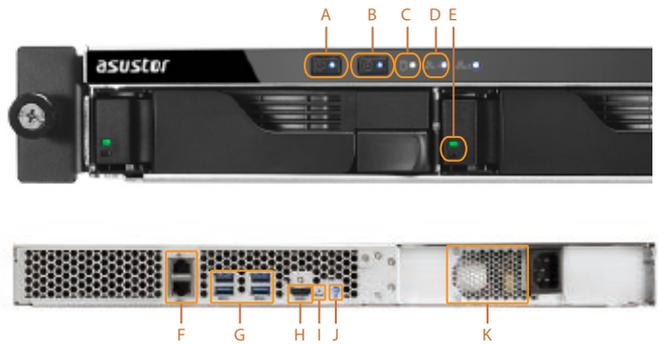
You can even view videos offline! Download videos from your NAS to your phone in a just a few taps without needing to connect an external USB cable.

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!

## ● Hardware Specification

### AS-204RS

Processor	Intel® ATOM™ 1.2GHz Dual-Core Processor
Memory	1GB SO-DIMM DDR3
Internal Disk	4 x (2.5"/3.5" SATA or SSD)
External Device Interface	4 x USB 3.0
Dimensions (HxWxD)	44 x 439 x 515 mm
Weight	7.6 kg / 16.7 lb
Power	100V to 240V AC
Operation*	41.6 W
Disk Hibernation*	25.8 W
Sleep Mode (S3)*	0.7 W
HD Display	1 x HDMI 1.4a



A. Power LED Indicator	F. RJ45 Port
B. Inspection LED Indicator	G. USB 3.0 Port
C. System Status LED Indicator	H. HDMI Port
D. Network LED Indicators	I. Reset Button
E. Hard Disk LED Indicator	J. Service LED
	K. Power Supply

\*Test HDD: WD Red 3 TB HDD

## ● Software & Features

### 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

### Backup Solutions

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

### Disk Management

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

### 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

### File System

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

### iSCSI

- Maximum Targets: 256
- Maximum LUNs: 256
- Target Masking
- LUN Mapping
- ISO File Mounting
- Supports MCS
- Persistent (SCSI-3) Reservations

### Network Protocols

- CIFS/SMB, AFP, NFS, FTP, WebDAV, Rsync, SSH, SFTP, iSCSI, HTTP, HTTPS, SMB 2.0\*, TFTP\*, Proxy\*

\*ADM 2.3 Onwards

### MyArchive

- Insert Hard Disk & Immediately Access Files
- Transfer or Exchange Terabytes of Data via the Internal Hot-Swap SATA Interface
- Up to 2 Bays Reserved for MyArchive Docking Purposes

### Network

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

### Operating System

- ADM 2.0 Onwards
- Built-in App Central for Various Apps

### Security

- AES 256-Bit Folder Encryption
- Firewall: Prevent Unauthorized Access
- Network Defender: Prevent Network Attacks
- Alert Notifications: E-mail, SMS
- Encrypted Connections: HTTPS, FTP over SSL/TLS, SSH, SFTP, Rsync over SSH

### Supported OS

- Windows XP, Vista, 7, 8, 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, Español

### Supported Browsers

- Internet Explorer 9 Onwards
- FireFox
- Chrome
- Safari

### Storage Management

- Support Multiple Volumes with Spare Disks
- Volume Type: Single disk, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
- Support for Online RAID Level Migration
- Support for Online RAID Capacity Expansion

### System Administration

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

## ● Featured Apps

### 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

### Antivirus

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

### ASUSTOR Portal

- Supports Multimedia Player: XBMC
- Supports Output for 4 Channels of Megapixel IP Camera Video Feeds
- Chrome Web Browser and YouTube Integration
- Downloads from Chrome 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

### XBMC

- XBMC 12
- Play All Media Content Stored on NAS
- Video Output via HDMI
- TV Shows, Movies, Apps and More
- ASUSTOR Customized Features
- AiRemote Mobile App
- Supports SBS 3D Playback (Side By Side)

### 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
- AiDownload for iOS & Android with Push Notification
- Smart Download Function

### Dropbox

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

### File Explorer

- Web-based File Management
- ISO File Mounting
- Share Links
- Task Monitor
- Browse Files on Local PC
- Thumbnail Previews

### 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

### 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
- Supported Protocols:
  - Rsync
  - FTP
  - FTPS
  - SFTP
  - Rsync + SSH

### 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

### iTunes Server

- For iTunes on Mac & Windows
- Supports AirPlay

- Supports iOS Remote Pairing
- Supported Audio Formats: AIF, M4A (AAC & Apple Loseless), M4P, M4R, MP3, WAV
- 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 (the system must have 2GB of memory installed or more)
- 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

- Social Media Support: Facebook, Google+, Twitter, Plurk
- Manage Photo Album Access Rights: Public Access, Restricted to Certain Accounts, Album Password
- Customizable Photo Album Cover
- Supports Display of Image EXIF Values, Editable Description, Image Rotation
- Supports Playing Images via Slideshow
- Supports Downloading of Image Source Files
- Supports User Comments
- Supports Tagging of Photos
- Search for Photos via Keyword or Tag
- Supported Image Format: JPG, PNG, GIF

### Surveillance Center

- Live Monitoring (4 Free Channels)
- Multiple Channel Playback with Audio
- Supported Browsers: Internet Explorer, Chrome, FireFox (Windows only)
- Event Notification
- Supports Local Output of 4 Video Feed Channels
- Recording via Schedule and Event Detection
- Add Additional IP Camera Channels via Purchasable Licenses Buy now
- Max. Number of IP Cameras (Including 4 Free Channels): 16
- Max. Number of IP Cameras (Including 4 Free Channels): 8

### 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 Vimeo, YouKu, Tudou and More
- Selectable the Video Type and Quality
- Automatic Downloads with 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 Image (3FR, ARW, CR2, CRW, DCR, DNG, ERF, KDC, MEF, MOS, MRW, NEF, NRW, ORF, PEF, RAF, RAW, RW2, SR2, X3F)
- Supported Audio Formats: 3GP, AAC, AC3, AIFC, AIFF, AMR, APE, AU, AWB, FLAC1, M4A, M4R, MP2, MP3, OGG Vorbis1, PCM, WAV, WMA
- Supported Video Formats: 3GP, 3G2, ASF, AVI, DAT, FLV, ISO, M2T, M2V, M2TS, M4V, MKV, MPv4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, RMVB, VDR, MPE

### 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

### VPN Server

- Support PPTP and OpenVPN settings
- View Current Connections & Ability to Disconnect Suspicious Connections
- Comprehensive Connection Log

### More...

For information on additional Apps, please visit: <http://www.asustor.com/apps>



## ASUSTOR Inc.

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