asustor

DRIVESTOR 2
AS1102T

Great Value - Great Performance

- Realtek RTD1296 Quad-Core 1.4 GHz CPU
- Uses 1 GB DDR4 – 40% more efficient
- Superfast 2.5-Gigabit Ethernet
- Enjoy, download, upload and stream content with 4K transcoding

- Supports Wake on LAN and Wake on WAN
- New Rose Gold logo
- Tool-free installation

Realtek Quad-Core	4K Transcoding	2.5-Gigabit Ethernet	1 GB DDR4

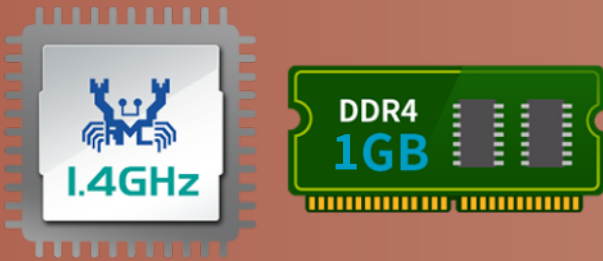| Performance King	Boundless Functionality	Intuitive UI	Incredible Value	3 Year Warranty

All new hardware – Same great case

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

Windows Sequential (RAID 1)

215 MB/S
Read

270 MB/S
Write

Realtek Quad-Core CPU and DDR4 RAM

The Drivestor 2 and Drivestor 4 are equipped with a Realtek RTD1296 1.4GHz Quad-Core 64-bit CPU. Transcode, stream and play multimedia in 4K, transfer files and easily multitask with the Drivestor series. The Drivestor 2 handles multitasking with ease by utilizing its 1GB of DDR4 memory ensuring that virtually any task on an ASUSTOR NAS is executed smoothly.
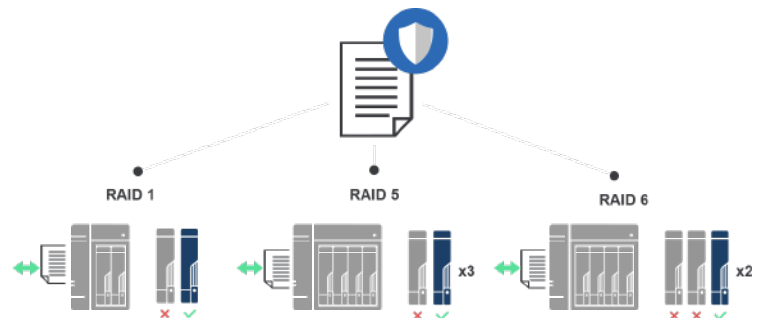
Efficient and Powerful

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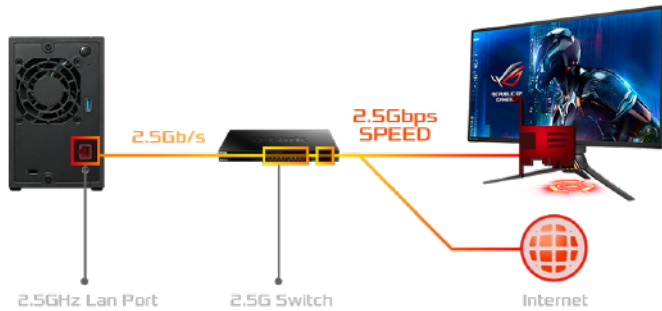

Data Protection Starts with Storage

ASUSTOR understands that your data is priceless, therefore an ASUSTOR NAS provides different RAID volume options, giving your data various levels of protection from the moment it is first stored on a NAS. We recommend you plan your storage protection based on your NAS model and number of hard drives. Data protection has never been so simple.

	Single	JBOD	RAID 0	RAID 1	RAID 5	RAID 6	RAID 10
Minimum Number of drives	1	2	2	2	3	4	4
Fault tolerance (Number of drives)	X	X	X	1	1	2	1
Increased transfer rates	X	X	V	X	V	V	V
Maximum Use of Storage Space	V	V	V	💽 x ½	💽 -1	💽 -2	💽 x ½

2.5-Gigabit Ethernet – Double Speed

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

2.5Gb/s
2.5Gbps SPEED

2.5GHz Lan Port   2.5G Switch   Internet

Media Mode

Use Media Mode when watching a video to reserve 512 MB of memory for multimedia playback and decoding. Reserving memory helps with video playback and decoding performance and prevents other apps from using up all available RAM to ensure smooth playback.

Transcoding   Streaming

Media Mode

Tool-free Installation

The Drivestor's sliding cover design allows it to be conveniently removed when needed. The hard drive rails inside and the chassis all use thumb screws for easy installation of hard drives.

Silent, Yet Powerful

Only 19dB on standby. Quieter than a mouse - suitable anywhere.

Holistic Backup Solution

ASUSTOR's comprehensive backup solution provides more than twelve backup options, including, but not limited to Amazon S3, Dropbox, Google Drive, and OneDrive. ASUSTOR Backup Plan for Windows as well as Time Machine for macOS provide easy backups for desktop and laptops. Use iSCSI in combination with Snapshot Center to take snapshots of your information, protecting your information from unintentional modifications. Restore previous versions of files easily with Snapshot Center.

Computer data to NAS   Transfer mobile data to NAS

NAS local backup   Public cloud and NAS data backup

NAS to NAS   NAS backup to external device

Protected from the Inside and Out

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

Secured Data Transmission
· VPN connection
· SSL certificate connection
· Automatic logout

Access Control
· File/Folder/App Isolated
· 2-Step Verification
· Wake-on-LAN (WOL)
· Wake-on-WAN (WOW)

Internal Data
· AES-256 folder encryption
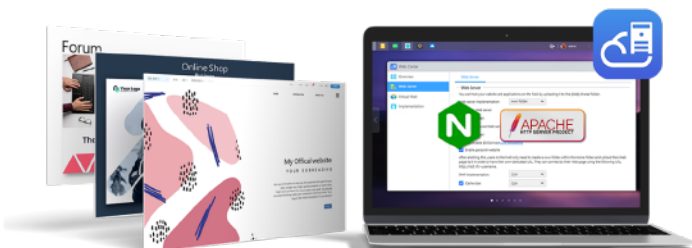· Anti-virus software

Wake on LAN and Wake on WAN – Always on Standby

Save power and money with Wake on LAN and Wake on WAN. The Drivestor features Wake on LAN and Wake on WAN, allowing the device to power off when not in use and be woken up with a command. Use Wake on LAN when on the same network as the NAS while Wake on WAN for when you are away from the NAS. Wake on LAN and Wake on WAN also protects against attacks by only waking up to your commands. To an outsider, your NAS is off, protecting your data.

Web Center

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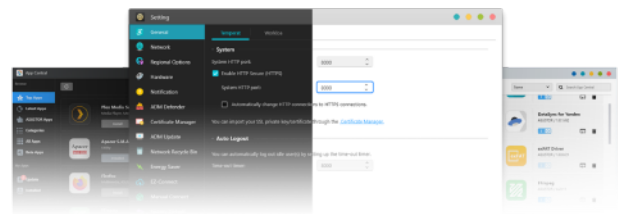
Automatically Synchronize Files Between Computer and NAS

ASUSTOR EZ Sync brings the magic of cloud sync services right to your home. With an ASUSTOR NAS and EZ Sync, data can be synchronized anywhere with an internet connection without a monthly bill or a data limit. If data is unintentionally modified, restoration is easy with EZ Sync's automatic file history management feature.

Brand-New ADM 4.0

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

All-New Rose Gold Logo

The all-new rose gold logo looks great and reaffirms ASUSTOR's commitment to both performance and aesthetics on a NAS.

PhotoGallery + AiFoto 3.0

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

Created for the Digital Home

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

Comprehensive Surveillance System

An ASUSTOR NAS provides optimal reliability for home and small businesses looking to set up a surveillance system. Four free camera channels are provided, making it an extremely cost-effective surveillance solution for users with smaller demands. The DRIVESTOR 2 supports up to 12 cameras with licenses sold separately. View Surveillance feeds on Surveillance Center and its corresponding mobile app AiSecure. AiSecure also supports streams while on the go with an Internet connection.

DataSync Center

Datasync Center combines multiple cloud services into a single app. Datasync Center includes, but is not limited to Google Drive, Dropbox and OneDrive and supports multitasking as well as multiple accounts. Control your data with instant and scheduled backups as well as using Cloud Backup Center to create a hybrid cloud that keeps your data online and offline, keeping your data protected.
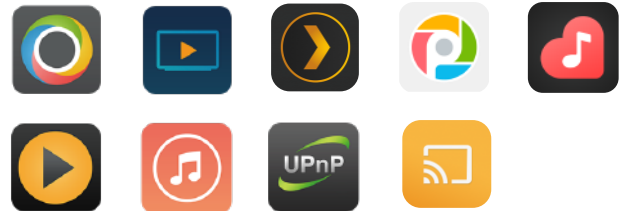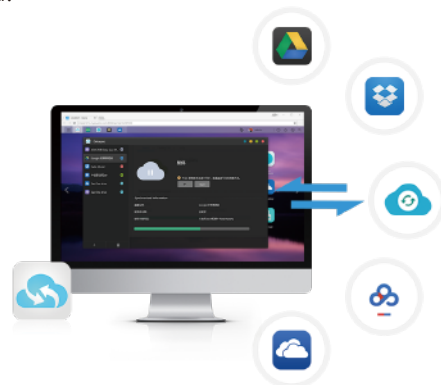
5 Steps 60 Seconds

- Quick installation wizard
- Automatic camera search
- Add cameras with just one click
- Configure video formats
- Configure recording schedules
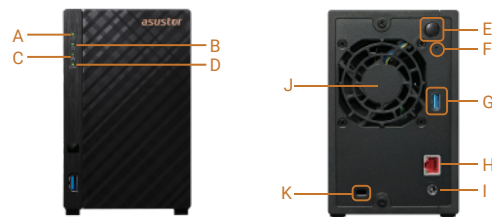
Supports up to
12
camera channels

Mobile Apps

ASUSTOR's EZ Connect allows you to connect to your NAS from anywhere with your smartphone to access and share your files. ASUSTOR suite of mobile apps provide pass code locks to help protect your privacy and data. You can also make use of HTTPS connections for even more added security.

Hardware Specifications

AS1102T

Processor	Realtek RTD1296 1.4 GHz Quad-Core Processor
Memory	1GB DDR4 (non-upgradeable)
Drive bays	2x 3½" SATA III
Network	1x 2.5-Gigabit (Wake On WAN)
Expandability	2x USB 3.2 Gen 1
Dimensions (HxWxD)	165x102x218 mm
Weight	1.14kg/2.5lb
Power	65W AC Adapter
Operation/Disk Hibernation/ Sleep Mode(S3)	11.6W/5.97W/No Sleep Mode
Volume Type	Single, JBOD, RAID 0/1

- A. Power LED Indicator
- B. System Status LED Indicator
- C. Network LED Indicator
- D. Hard Disk LED Indicator
- E. Power Button
- F. Reset Button
- G. USB 3.2 Gen 1 Port
- H. Network Port
- I. DC Input
- J. System Fan
- K. K-Lock

Software & Features

Operating System
- ADM 4.0 Onwards
- Supports automatic firmware updates
- App Central for various apps

Supported OS
- Windows XP, Vista, 7, 8, 10, Server 2003, Server 2008, Server 2012, Server 2016
- macOS 10.10 and up
- UNIX, Linux, BSD

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/LDAP

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

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

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

Disk Management
- Scheduled bad block scan
- Scheduled S.M.A.R.T scan

External Devices
- Supports USB External Storage Devices
- USB Wi-Fi Dongle Support
- Bluetooth Dongle/Speaker Support
- USB Printer Support
- USB DAC Support
- USB CD ROM Drives/DVD ROM Drives/BD-ROM Drives

Energy Control
- Configurable Disk Hibernation wait times
- 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
- DDNS/EZ-Router
- Supports Wake-on-LAN (WOL)
- Supports Wake-on-WAN (WOW)

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

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: AS63/64/ Drivestor/ Drivestor Pro/Nimbustor/Lockerstor/ Lockerstor Pro series

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

EZ Sync Manager
- Automatically synchronizes files between a PC and NAS
- Can restore previous versions of files
- Supports file sharing
- AiData now supports accessing EZ Sync files

Supported Browsers
- FireFox, Chrome, Safari, Microsoft Edge

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
- Deletion Settings 1.File size 2.File date

Sever
- VPN server, SNMP server, RADIUS server, Syslog server, Mail Server*, DHCP server, Web server, FTP server, Print server, Rsync server

*Coming soon

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

Snapshots
- iSCSI Snapshots
- 256 snapshots
- iSCSI LUNs

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

iSCSI/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

Featured Apps
- Antivirus
- Download Center
- FTP Explorer
- Cloud Backup Center
- RADIUS Server
- Mail Server*
- DataSync Center
- LooksGood
- Photo Gallery 3
- SoundsGood
- Surveillance Center
- UPnP Media Server
- VPN Server
- VPN Client

*Coming soon

Mobile Apps
- AiMaster
- AiFoto3
- AiMusic
- AiVideos
- AiData
- AiDownload
- AiSecure
- AiRemote

Dealer Seal