asustor

DRIVESTOR 2 Gen2

AS1202T



ARMed Against Slowness!

Realtek RTD1619B Quad-Core CPU

- 1x 2.5 Gigabit Ethernet
- 1GB DDR4 RAM
- USB 5Gbps ports
- Enjoy, download, upload and stream content with 4K decoding
- Supports Wake on LAN and Wake on WAN

Realtek Quad-Core

2x 3.5" HDD

1x 2.5 Gigabit Ethernet

1 GB DDR4

3 x USB 5Gbps

Performance King

Boundless Functionality

Intuitive UI

Incredible Value

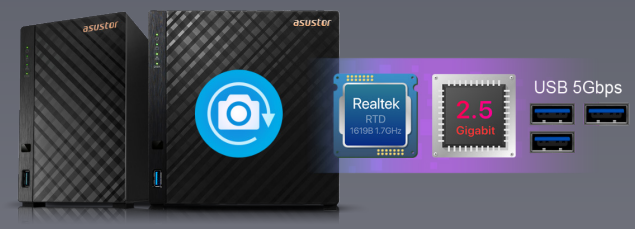
3 Year Warranty

All-New Hardware

· Realtek RTD1619B Quad-Core Processor at 1.7 GHz
· 2.5-Gigabit Ethernet
· 1 GB DDR4 RAM

CPU and iGPU Upgrades

The Drivestor Gen2 contains a 1.7 GHz CPU, which is faster than the 1.4 GHz found in the first generation of Drivestor NAS devices. The upgraded CPU also contains an upgraded iGPU that provides significant upgrades in transcoding features and performance.



SMB (RAID 1) Windows File Transfer

209MB/s
Read

189MB/s
Write

Supports Wake on LAN and Wake on WAN



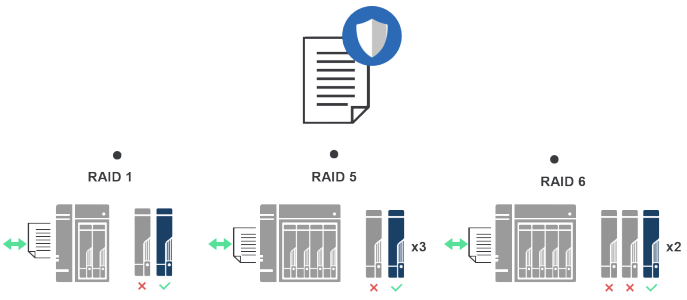
Upgraded powerful internal display, smooth decoding of 4K videos

RTD1619B CPU supports real-time 4K decoding of H.264 and AV1 formats, enabling smooth, lag-free playback of high-definition videos through LooksGood.



Data Protection Starts with Storage

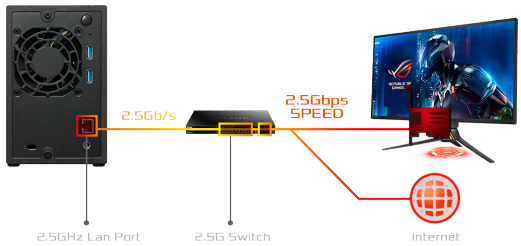
ASUSTOR understands that your data is priceless, therefore ASUSTOR NAS provides numerous options for protecting your data from a variety of threats. Your data is important and receives numerous levels of protection from the moment it is first stored on the NAS. Take advantage of a variety of data protection features found inside an ASUSTOR NAS, including, but not limited to RAID, easy automatic backups and snapshots. ASUSTOR recommends planning a holistic 3-2-1 backup solution to protect data easily, efficiently and effectively.



	Single	JBOD	RAID 0	RAID 1	RAID 5	RAID 6	RAID 10
Minimum number of disks	1	2	2	2	3	4	4
Faulty Disks Tolerated	X	X	X	1	1	2	1
Increased System performance	X	X	V	X	V	V	V
Maximum use of Storage space	V	V	V	x ½	-1	-2	x ½

2.5-Gigabit Ethernet

The DRIVESTOR Gen2, despite being extremely affordable contains 2.5-Gigabit Ethernet and more than doubles the performance of comparable Gigabit-class devices.



Silent, Yet Powerful

Only 20dB on standby. Quieter than a mouse - suitable anywhere.

Dr. ASUSTOR

Dr. ASUSTOR monitors your ASUSTOR NAS for abnormalities and keeps check on a variety of settings and data health points in your NAS to ensure your NAS is running well and makes recommendations to help better protect your data.

Dr. ASUSTOR



Holistic Backup Solution

- Snapshot Center, Cloud Backup Center, DataSync Center
- SMB Backup, FTP Backup, Rsync
- Expansion units



Computer data to NAS



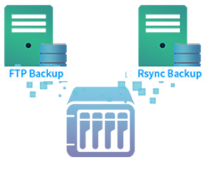
Transfer mobile data to NAS



NAS local backup



Public cloud and NAS data backup



NAS to NAS



NAS backup to external device

All-New ADM Defender

The all-new ADM Defender provides preset and customizable firewall profiles. Intelligent security protection can proactively prevent suspicious IP addresses from connecting to your NAS. ADM can also monitor network transmission packets to intercept suspicious network activities. The new design makes it easier to enable the firewall and additional security protections. ADM Defender proactively prevents suspicious connections, which can help further reduce the risks of malware and attacks to further improve data security.

Fast – Secure – Stable

ADM 5.0 has been upgraded to Linux kernel 6.6 LTS. Kernel 6.6 LTS introduces numerous security patches that help make ASUSTOR NAS devices safer than ever. Kernel 6.6 also continues to enhance ADM performance and stability, while also adds compatibility with even more hardware for maximum flexibility.

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 inside out. Utilization of a multi-layered deployment scheme allows for extra 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 Isolation
- 2-Step Verification
- Wake-on-LAN (WOL)
- Wake-on-WAN (WOW)

Internal Data
- AES-256 folder encryption
- Antivirus software

Wake on LAN and Wake on WAN – Always on Standby

Save power and money with Wake on LAN and Wake on WAN. ASUSTOR NAS features Wake on LAN and Wake on WAN to allow your NAS to power off when not in use and be woken up with a click. Use Wake on LAN when you are on the same network as the NAS while Wake on WAN is for when you are away from the NAS. Wake on LAN and Wake on WAN also protect against attacks by only waking up to your demands.

Automatic Sync

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.



Snapshot Center

Snapshot Center allows ASUSTOR NAS devices to utilize Btrfs and iSCSI volumes to take snapshots of the information inside a NAS. Snapshot Center supports up to 256 snapshots of a volume and can be done every five minutes, creating a backup that can be restored easily if data is damaged or lost.



Comprehensive Surveillance System

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 Gen2 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.re also supports streams while on the go with an Internet connection.

5 Steps
60 Seconds

- Quick installation wizard
- Automatic camera search
- Add cameras with just one click
- Configure video formats
- Configure recording schedules



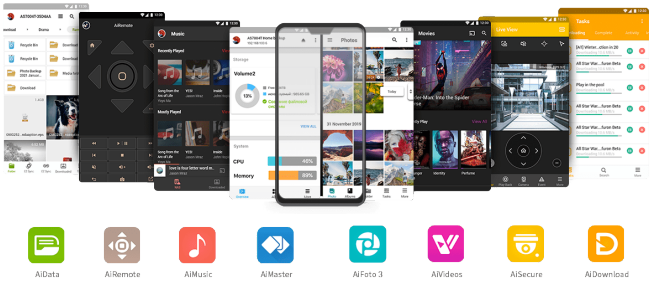
Photo Gallery 3 + AiFoto 3

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, new photo modes and photo deduplication. Easily blow up photos to up to twice their size, play songs on slideshows, and customized share links make for an even better photo viewing and sharing experience.



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's suite of mobile apps provide pass code locks to help protect your privacy and data. Make use of HTTPS connections for even more added security when using EZ Connect.



Hardware Specifications

DRIVESTOR 2 Gen2 (AS1202T)

Processor	Realtek RTD1619B 1.7 GHz Quad-Core Processor
Memory	1GB DDR4 (non-upgradeable)
M.2 Slots	-
Drive Bays	2x 3½" SATA III
LAN	1x 2.5-Gigabit (Wake On WAN)
Expansion	-
USB	3 x USB 5Gbps
Dimensions(HxWxD)	165x102x218 mm
Weight	1.16 kg / 2.56 lb
Power	65W AC Adapter
Operation / Disk Hibernation	11.2 W / 6.95 W
Volume Type	Single, JBOD, RAID 0/1



A. Power LED
B. System Status LED
C. Network LED Indicator
D. Hard Disk LED Indicator
E. Power Button
F. Reset Button
G. USB 5Gbps Port
H. Network Port
I. DC Input
J. System Fan
K. K-Lock

Software & Features

Operating System
- ADM 5.0 Onwards
- Supports Online Firmware Updates

Supported OS
- Windows 10, 11, Server 2003, Server 2008 R2, 2012, 2016, 2019, 2022
- macOS 10.13 Onwards
- UNIX, Linux, BSD

Access Control
- Supports 2-Step Verification
- Supports Batch Creation and Importation of ADM Accounts
- 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 quick upload

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

Storage Management
- Volume Type: Single disk, JBOD, RAID 0, RAID 1

Disk Management
- Scheduled Bad Block Scans
- Scheduled S.M.A.R.T Scans
- Seagate IronWolf Health Management

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 Drive/DVD ROM Drive/BD-ROM

Network
- TCP/IP (IPv4 & IPv6)
- Jumbo Frame (MTU)
- VLAN
- EZ Connect
- Wireless Network
- DDNS and 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 Folder Encryption
- Firewall: Prevent Unauthorized Access
- Alert Notifications:
- Encrypted Connections: HTTPS, FTP over SSL/TLS, SSH, SFTP, Rsync over SSH
- Built-in Hardware Encryption Engine

Dr. ASUSTOR
- Security advice and health records

Backup Solutions (Two-Way Backup)
- Rsync (Remote Sync) Backup
- Cloud Backup
- SMB Backup
- EZ Sync
- FTP Backup
- External 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)

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

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

Snapshot Center
- Btrfs snapshots
- 256 snapshots
- iSCSI LUNs

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

iSCSI/IP-SAN
- Maximum Targets: 256
- Maximum Snapshot Versions of a Single LUN: 256
- Maximum LUNs: 256
- Target Masking
- LUN Mapping
- ISO File Mounting
- Supports MPIO
- SCSI-3 Persistent Reservations

Featured Apps

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

Mobile Apps

- AiMaster
- AiFoto 3
- AiMusic
- AiVideo
- AiData
- AiDownload (Android)
- AiSecure
- AiRemote

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