asustor

LOCKERSTOR 4 GEN2+

AS6704T v2

Double the Speed – Double the Workflow

- Turbocharged Performance: Dual 5-Gigabit Ethernet
- Quad-Core Intel N5105 CPU
- 4GB DDR4 RAM
- 4x 3.5"/2.5'' SATA HDD/SSD
- 4x M.2 slots for NVMe SSDs
- 2x USB 10Gbps ports
- Enjoy, download, upload and stream content with 4K transcoding
- Supports Wake on LAN and Wake on WAN
- HDMI™

Intel Quad-Core

4x 3.5"/2.5" SATA HDD/SSD

4 GB DDR4-2933

Dual 5 Gigabit Ethernet

4x M.2 NVMe SSD Slots

2 x USB 10Gbps

HDMI™

Performance King

Boundless Functionality

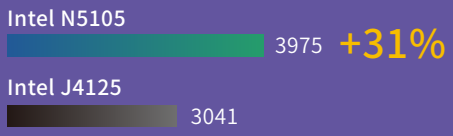
Intuitive UI

Incredible Value

3 Year Warranty

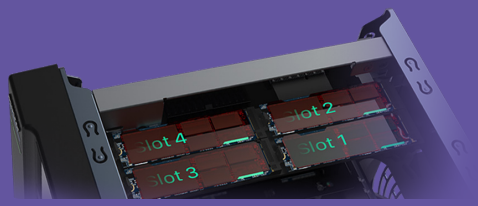
Powered by Intel 10 nm processors

Intel' s Quad-Core N5105 CPU comes clocked at 2.0 GHz with boost clocks of up to 2.9 Ghz for efficient content creation.



Four M.2 Slots

The Lockerstor 2 Gen 2+ series come with four M.2 slots for caching, storage or both. Either use all slots for one purpose or mix and match depending on your needs.



Superfast 5-Gigabit Ethernet ports

The Lockerstor Gen 2+ series, despite being extremely affordable, contains dual 5-Gigabit Ethernet for up to 10 Gbps of performance when combined using SMB multichannel.

Efficient Cooling

With up to four SSDs, a considerable amount of heat can be generated. With extra ventilation, the Lockerstor Gen2 ensures that all components in your NAS receive cooling.

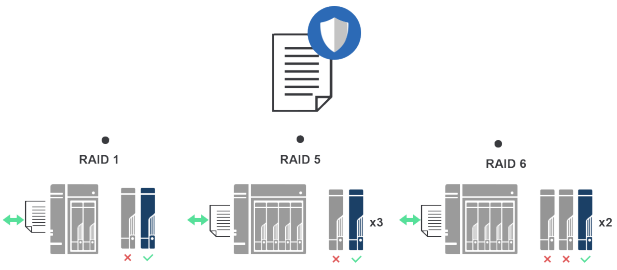
SMB Multichannel (RAID 5, Windows)

1146MB/s Read

536MB/s Write

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

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

360° Backup and Virtualization Solution

- Rsync, MyArchive
- Snapshot Center, Cloud Backup Center, DataSync Center
- Complete iSCSI/IP-SAN and NFS support
- VMware, Citrix and Hyper-V ready
- Supports Virtualization and Docker apps

Computer data to NAS

Transfer mobile data to NAS

NAS local backup

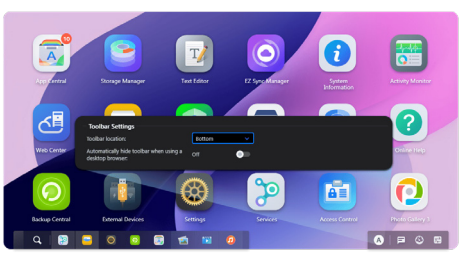
Public cloud and NAS data backup

NAS to NAS

NAS backup to external device

Customizable Toolbar

ADM now comes with a brand new toolbar for ADM 5.0. The toolbar can now be placed at either the top or the bottom of the page. In addition, the toolbar can be set to automatically hide when not in use on desktop platforms.



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.

SSH Keys Make SSH Logins More Secure

Logging into an ASUSTOR NAS using SSH means you can exercise full control over your NAS and operate more advanced functions. Enabling SSH keys can improve the security of using SSH while also making it more convenient. SSH keys replace passwords and are much more secure than passwords. Generate different keys for different administrator accounts and save the private keys in an SSH client while disable password authentication, greatly improving the security of SSH connections.

Upgraded Samba - Better Performance

ADM 5.0 brings a new version of Samba. With the new version of Samba, SMB Multichannel is no longer experimental and brings new performance enhancements, additional security and is much more stable than ever before. Combine two, three or four Ethernet ports on your ASUSTOR NAS with your computer to receive up to double, triple, or even quadruple performance respectively for maximum speed.

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
- Risk detection greylist

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
- MyArchive
- WORM (Write Once, Read Many)

Safer and Easier Scheduled MyArchive Backups

ADM now supports automatic mounting and dismounting of MyArchive drives when backing up important data from an ASUSTOR NAS to a MyArchive drive. ADM will automatically mount a connected MyArchive when a backup begins, and automatically eject a MyArchive drive after the backup is complete. In addition to making performing 3-2-1 backups easier than ever, MyArchive drives are more comprehensively protected from various threats due to a different set of risks that complement the risks to data on a NAS.

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. MyArchive also now supports Btrfs and snapshots. Btrfs for MyArchive supports snapshots and version history to help protect against accidental deletions or modifications.

Created for the Digital Home

Your ASUSTOR NAS allows you to enjoy thrilling digital entertainment at any time. Pair the HDMI port on your ASUSTOR on the NAS with various multimedia apps to an UHD TV for maximum enjoyment or similarly use the UPnP multimedia server inside your NAS to stream your favorite media to compatible computers, phones, tablets or set top boxes.

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 NAS supports up to 44 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.

5 Steps 60 Seconds

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

ASUSTOR Live

Your own streaming center. Stream from a phone or tablet as well as a computer to multiple streaming platforms, including, but not limited to Twitch, YouTube, Facebook, Instagram, Restream or RTMP compatible platforms. Unlike services like restream.io, ASUSTOR Live doesn’ t require fees to operate to stream to multiple platforms and channels which saves you money and streaming resources. Recordings can be safely saved to your NAS for future use.

Portainer – Easy Docker Deployments

Even more possibilities for ADM can be done with Portainer for Docker images. With thousands of images, Portainer can download and deploy more types of programs than ever before. Portainer is incredibly user friendly and employs a graphical interface to make Docker images easier to deploy than ever.

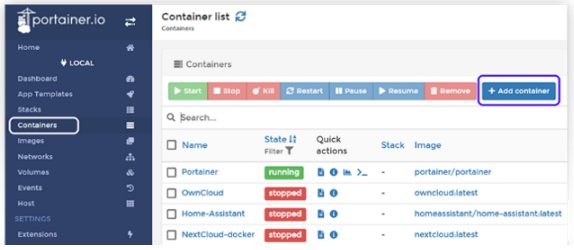
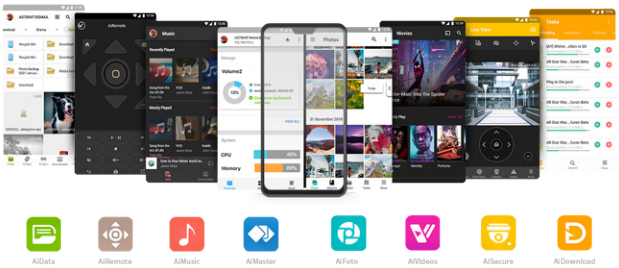


Photo Gallery 3 + AiFoto 3

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.

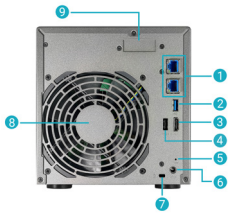


Hardware Specifications

LOCKERSTOR 4 Gen2+ (AS6704T v2)

Processor	Intel Celeron N5105 Quad-Core, 2.0 GHz up to 2.9 GHz
Memory	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)
M.2 Slots	4x M.2 slots for NVMe SSDs Supports PCIe 3.0
Drive Bays	4x 2½"/3½" SATA III
LAN	2x 5-Gigabit (Wake On WAN)
Expansion	1x for optional expansion 10 GbE card (*) Installation of 10GbE NIC requires removal of M.2 daughterboard.
USB	2x USB 10Gbps (1x Front ; 1x Rear) 1x USB 2.0 (Rear)
Dimensions(HxWxD)	185.5x170x230 mm
Weight	2.96 kg / 6.53 lb
Power	90W AC Adapter
Operation/Disk Hibernation Sleep Mode (S3)	27.1W / 14.7W / 1.2W
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Spare Drive

1. Power button
2. backup button
3. USB 10Gbps
4. HDD-1
5. HDD-2
6. HDD-3
7. HDD-4



1. 5G network port
2. USB 3.2 Gen2 port
3. HDMI™ port
4. USB 2.0 port
5. Reset Button
6. DC Input
7. K-Lock
8. System Fan
9. PCI Express 3.0 slot

Software & Features

Operating System
- ADM 5.0 Onwards
- Supports Online Firmware Updates

Supported OS
- Windows 7, 8, 10, 11, Server 2003, Server 2008 R2, 2012, 2016, 2019, 2022
- macOS 10.13 以上
- 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
- Supports Multiple Volumes with Spare Disks
- Volume Type: Single disk, JBOD, RAID 0/1/5/6/10
- Support for Online RAID Level Migration
- Support for Online RAID Capacity Expansion

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/IR Receiver/Keyboard/Mouse Support
- USB CD ROM Drive/DVD ROM Drive/BD-ROM

Network
- TCP/IP (IPv4 & IPv6)
- VLAN
- EZ-Connect
- DDNS and EZ-Router
- Supports Wake-on-LAN (WOL)
- Supports Wake-on-WAN (WOW)
- Jumbo Frames (MTU)
- SMB Multichannel
- Wireless Network

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
- SMB Backup
- Cloud Backup
- FTP Backup
- External Backup
- USB One Touch Backup
- EZ Sync

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
- 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, ภาษาไทย

iSCSI
- 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
- AiVideos
- AiData
- AiDownload (Android)
- AiSecure
- AiRemote

Note:

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