asustor

an ASUS assoc. co.

More Than Just Storage

Discover the Extraordinary with ASUSTOR
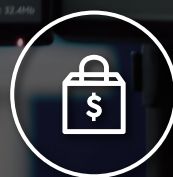
Performance King

Boundless Functionality

Intuitive UI

Incredible Value

Warranty Service

ASUSTOR Data Master

New Features of ADM 4.2

Dr. ASUSTOR

ASUSTOR provides a holistic solution for protecting your data against a variety of threats using Dr. ASUSTOR.
Dr. ASUSTOR helps protect your data from a variety of threats, including, but not limited to ransomware attacks.

Share Link quick upload

You can create group activities photos share link and send to your family or friends, and they can use this share link to upload photos they took which allows them sharing photos easily. Off course, they can share files and videos as well. More potentials waiting for you to discover.

Support WireGuard VPN Client

Support WireGuard VPN Client. You can add your NAS to WireGuard VPN server to experience the latest fast VPN connection protocol.

Surveillance Center

Instant Notifications

Surveillance Center supports push notifications, emails and SMS messages to individual cameras and events.

Centralized Surveillance Software - CMS Lite

CMS Lite allows surveillance professionals to have more flexibility and convenience when monitoring and playing back video. Manage up to 256 IP cameras and ASUSTOR NVRs in up to 32 different locations.

Multi-Stream

Surveillance Center supports 3 independent video streaming modes, allowing administrators to configure default resolutions for recordings and viewing feeds remotely. Select resolutions based on network bandwidth and the number of channels that they are viewing, optimizing video streaming under different network bandwidth limitations.

Smart Passive & Active Recording Modes

Surveillance Center provides a variety of passive and active recording modes, regardless of whether you require scheduled recording for a specific time period or simply record once an event has occurred.

Automated Event Action Rules

Automated event action rules allow administrators to customize alarm handling rules. When an event occurs, your NAS can select different measures to handle a situation based on the type of event or the time the event occurred.

Business

Comprehensive Backup Solutions: Centrally Backup and Manage Data from Different NAS Models and Brands

- Internal backups + MyArchive = Offsite data protection + Unlimited storage capacity expansion
- Use FTP, Rsync for two-way backup and secure data transfers
- Use DataSync Center for two-way backup to another ASUSTOR NAS through EZ Sync
- Backup and restore phone data with AiData and AiFoto 3
- Back up to cloud services easily with Cloud Backup Center or DataSync Center. Supports Amazon S3, Azure, Google Drive, Google Cloud Storage, HiDrive, Dropbox, OneDrive, hicloud and more
- USB One Touch backups or back up to the ASUSTOR AS6004U

Virtualization Ready

Complete iSCSI/IP-SAN and NFS support. VMware, Citrix and Hyper-V ready.

Ransomware recovery - Snapshot Center

ASUSTOR NAS devices support snapshots on Btrfs volumes and iSCSI volumes, ensuring that if ransomware attacks, changes are reversible

Evolved Network Defender

- Block brute-force attacks with the automatic blacklist
- Trust List can prevent trusted IP addresses from being automatically blocked in the event of too many inadvertent login failures
- The blacklist and whitelist can be defined by specific IPs, IP ranges, and geolocation

Seamless integration with AD, ACL and LDAP

LDAP and Windows AD support combined with ACL allows IT professionals to use the permissions and security settings in Windows to quickly configure shared folder access rights for users and groups on an ASUSTOR NAS. These settings can be applied to Samba, File Explorer, AFP, NFS, or WebDAV allowing businesses to maintain flexibility and security with regards to data access

EZily connect to your NAS with EZ-Connect and ezconnect.to

Easily connect remotely to your NAS even in network environments with multiple routers from within the network. ASUSTOR's EZ-Connect supports a variety of features, including, but not limited to Internet passthrough and remote shared folder mounting on Windows Explorer. EZ-Connect.to uses a web browser to connect to a NAS remotely and access data.

Lifestyle Applications

*Limited to some models

The Dynamic ASUSTOR Portal*

Ultimate Audio Enjoyment with SoundsGood

ASUSTOR Live

Photo Gallery 3 Brings Smart Albums and Smart Photo Management

Your Dedicated Cinema: LooksGood

WOW (Wake on WAN), Always on Standby*

Mobile Apps

AiMaster

Initialize a NAS easily without a PC by using AiMaster on a phone to set up and manage your NAS. No matter if it is adding new users, creating shared folders, remote wake-up, installing exciting new NAS Apps, upgrading your firmware or checking the real-time status of your system.

AiDownload

Use your Android device to search for torrents and easily add downloads to Download Center on your NAS. Easily monitor current downloads, establish new downloads and RSS feeds and instantly receive push notifications for completed downloads on your Android phone or tablet.

AiMusic

AiMusic makes streaming music from your NAS to your phone or tablet easy. Effortlessly select songs from different genres in an organized music library or even download entire playlists to your mobile device for offline listening. Enabling random playback allows you to create a random playlist at any time.

AiRemote

Control ASUSTOR Portal without a keyboard and mouse. From navigating the media player menus to controlling video playback and adjusting volume, AiRemote makes it easy. Additionally, AiRemote provides touchpad and keyboard modes when using the included browser.

AiData

AiData brings access to your NAS's files to your smartphone or tablet. AiData helps you browse and manage files on your NAS directly from your phone or tablet. AiData also supports file sharing, making it easy to share files right from your smartphone and tablet, bringing your data to your fingertips.

AiFoto 3

The all new AiFoto 3 has been revamped and brings a variety of new features to make photo organization easier than ever. New features for AiFoto3 include, timelines, smart albums. Support for HEIC images and custom share links make for an even better photo viewing and sharing experience.

AiVideos

AiVideos supports real-time transcoding, enabling a high resolution video streaming experience by selecting the video of your choice from the App. AiVideos also supports Chromecast and Apple TV, allowing you to stream your videos to the big screen and share them with friends and family.

AiSecure

AiSecure allows you to effortlessly keep an eye on your most valued assets. In addition to monitoring live surveillance feeds, push notifications can be sent immediately to your mobile device in the event of any disruptions, allowing you to keep watch over your personal property.

Hardware Specifications

Personal to Home				
	DRIVESTOR 2 AS1102T	**DRIVESTOR 4** AS1104T	**DRIVESTOR 2 Pro** AS3302T	**DRIVESTOR 4 Pro** AS3304T
Processor	Realtek RTD1296 1.4 GHz Quad-Core Processor	Realtek RTD1296 1.4 GHz Quad-Core Processor	Realtek RTD1296 1.4 GHz Quad-Core Processor	Realtek RTD1296 1.4 GHz Quad-Core Processor
Memory	1GB DDR4 (non-upgradeable)	1GB DDR4 (non-upgradeable)	2GB DDR4 (non-upgradable)	2GB DDR4 (non-upgradable)
Drive Bays	2x 3½" SATA III	4x 3½" SATA III	2x 2½"/3½" SATA III	4x 2½"/3½" SATA III
M.2 Slots	-	-	-	-
USB	2x USB 3.2 Gen 1	2x USB 3.2 Gen 1	3x USB 3.2 Gen 1	3x USB 3.2 Gen 1
LAN	1x 2.5-Gigabit (Wake On WAN)	1x 2.5-Gigabit (Wake On WAN)	1x 2.5-Gigabit (Wake On WAN)	1x 2.5-Gigabit (Wake On WAN)
Expansion	-	-	-	-
Dimensions(HxWxD)	165x102x218 mm	165x164x218 mm	170x114x230 mm	170x174x230 mm
Weight	1.14kg/2.5lb	1.57kg/3.45lb	1.6kg/3.53lb	2.2kg/4.85lb
Power	65W AC Adapter	90W AC Adapter	65W AC Adapter	90W AC Adapter
Operation	11.6W	22.8W	12.3W	23.1W
Disk Hibernation	5.97W	9.41W	6.04W	10.1W
Sleep Mode (S3)	No Sleep Mode	No Sleep Mode	No Sleep Mode	No Sleep Mode
Volume Type	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10
Display Out	-	-	-	-
Infrared Receiver	-	-	-	-
Service LED	-	-	-	-
Disk Tray Lock	-	-	-	-
LCD Panel	-	-	-	-
Audio Output	-	-	-	-

Hardware Specifications

Home to Power User

	NIMBUSTOR 2 AS5202T	NIMBUSTOR 4 AS5304T	FLASHSTOR 6 FS6706T	FLASHSTOR 12 Pro FS6712X
Processor	Intel Celeron J4025 Dual-Core 2.0GHz (burst up 2.9GHz)	Intel Celeron J4125 Quad-Core, 2.0GHz up to 2.7GHz	Intel Celeron N5105 Quad-Core, 2.0 GHz up to 2.9 GHz	Intel Celeron N5105 Quad-Core, 2.0 GHz up to 2.9 GHz
Memory	2GB DDR4-2400 SO-DIMM (Expandable. max. 8GB, 4GB x2)	4GB DDR4-2400 SO-DIMM (Expandable. max. 8GB, 4GB x2)	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)
Drive Bays	2x 2½"/3½" SATA III	4x 2½"/3½" SATA III	-	-
M.2 Slots	-	-	6x M.2 PCIe (NVMe) Support M.2 2280	12x M.2 PCIe (NVMe) Support M.2 2280
USB	3x USB 3.2 Gen 1 (1x Front ; 2x Rear)	3x USB 3.2 Gen 1 (1x Front ; 2x Rear)	2x USB 3.2 Gen 2x1 (1x Front ; 1x Rear) 2x USB 2.0	2x USB 3.2 Gen 2x1 (1x Front ; 1x Rear) 2x USB 2.0
LAN	2x 2.5-Gigabit (Wake On WAN)	2x 2.5-Gigabit (Wake On WAN)	2x 2.5-Gigabit (Wake On WAN)	1x 10-Gigabit (Wake On LAN)
Expansion				
Dimensions(HxWxD)	170x114x230 mm	170x174x230 mm	48.3x308.26x193 mm	48.3x308.26x193 mm
Weight	1.6kg/3.53lb	2.2kg/4.85lb	1.35 kg/2.98 lb	1.37 kg/3 lb
Power	65W AC Adapter	90W AC Adapter	65W AC Adapter	90W AC Adapter
Operation	17W	27W	18.2 W	26 W
Disk Hibernation	10.5W	12.6W	-	-
Sleep Mode (S3)	1.3W	1.4W	0.83 W	-
Volume Type	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare
Display Out	1x HDMI 2.0a	1x HDMI 2.0a	1x HDMI 2.0b	1x HDMI 2.0b
Infrared Receiver	Yes	Yes	Yes	Yes
Service LED	-	-	-	-
Disk Tray Lock	-	-	-	-
LCD Panel	-	-	-	-
Audio Output	-	-	1x S/PDIF	1x S/PDIF

Power User to Business

	LOCKERSTOR 2 AS6602T	LOCKERSTOR 4 AS6604T
Processor	Intel Celeron J4125 Quad-Core, 2.0GHz up to 2.7GHz	Intel Celeron J4125 Quad-Core, 2.0GHz up to 2.7GHz
Memory	4GB DDR4-2400 SO-DIMM (Expandable. max. 8GB, 4GB x2)	4GB DDR4-2400 SO-DIMM (Expandable. max. 8GB, 4GB x2)
Drive Bays	2x 2½"/3½" SATA III	4x 2½"/3½" SATA III
M.2 Slots	2x M.2 PCIe (NVMe) Support M.2 2280	2x M.2 PCIe (NVMe) Support M.2 2280
USB	3x USB 3.2 Gen 1 (1x Front ; 2x Rear)	3x USB 3.2 Gen 1 (1x Front ; 2x Rear)
LAN	2x 2.5-Gigabit (Wake On WAN)	2x 2.5-Gigabit (Wake On WAN)
Expansion	-	-
Dimensions(HxWxD)	163.5x108x230 mm	185.5x170x230 mm
Weight	2 kg/4.4 lb	2.96 kg/6.5 lb
Power	65W AC Adapter	90W AC Adapter
Operation	15.9W	27.6W
Disk Hibernation	9.2W	12.6W
Sleep Mode (S3)	0.66W	0.75W
Volume Type	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare
Display Out	1x HDMI 2.0a	1x HDMI 2.0a
Infrared Receiver	Yes	Yes
Service LED	-	-
Disk Tray Lock	Yes	Yes
LCD Panel	-	Yes
Audio Output	-	-

	LOCKERSTOR 2 Gen2 AS6702T	**LOCKERSTOR 4 Gen2** AS6704T	**LOCKERSTOR 6 Gen2** AS6706T
Processor	Intel Celeron N5105 Quad-Core, 2.0GHz up to 2.9GHz	Intel Celeron N5105 Quad-Core, 2.0GHz up to 2.9GHz	Intel Celeron N5105 Quad-Core, 2.0GHz up to 2.9GHz
Memory	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)	8GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)
Drive Bays	2x 2½"/3½" SATA III	4x 2½"/3½" SATA III	6x 2½"/3½" SATA III
M.2 Slots	4x M.2 PCIe (NVMe) Support M.2 2280	4x M.2 PCIe (NVMe) Support M.2 2280	4x M.2 PCIe (NVMe) Support M.2 2280
USB	2x USB 3.2 Gen 2x1 (1x Front ; 1x Rear)	2x USB 3.2 Gen 2x1 (1x Front ; 1x Rear)	2x USB 3.2 Gen 2x1 (1x Front ; 1x Rear)
LAN	2x 2.5-Gigabit (Wake On WAN)	2x 2.5-Gigabit (Wake On WAN)	2x 2.5-Gigabit (Wake On WAN)
Expansion	-	1x for optional expansion 10 GbE card*	1x for optional expansion 10 GbE card*
Dimensions(HxWxD)	163.5x108x230 mm	185.5x170x230 mm	185.5x233x230 mm
Weight	2 kg/4.41 lb	2.94 kg/6.48 lb	4.4 kg/9.7 lb
Power	65W AC Adapter	90W AC Adapter	250W
Operation	21W	35W	48.5W
Disk Hibernation	13.5W	17.3W	27.7W
Sleep Mode (S3)	0.79W	0.88W	0.81W
Volume Type	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare
Display Out	1x HDMI 2.0b	1x HDMI 2.0b	1x HDMI 2.0b
Infrared Receiver	Yes	Yes	Yes
Service LED	-	-	-
Disk Tray Lock	Yes	Yes	Yes
LCD Panel	-	Yes	Yes
Audio Output	-	-	-

*Installation of 10GbE NIC requires removal of M.2 daughterboard.

	LOCKERSTOR 8 AS6508T	**LOCKERSTOR 10** AS6510T	**LOCKERSTOR 10 Pro** AS7110T		**AS6004U**
Processor	Intel ATOM C3538 2.1GHz Quad-Core	Intel ATOM C3538 2.1GHz Quad-Core	Intel 9th generation Quad-Core Xeon 4.6GHz Turbo	External Ports	USB 3.2 Gen 1 Type B
Memory	8GB SO-DIMM DDR4 (Expandable. max. 64GB, 32GB x2)	8GB SO-DIMM DDR4 (Expandable. max. 64GB, 32GB x2)	8GB ECC DDR4-2666 SO-DIMM (Expandable.max. 64GB,32GB x2)	Maximum Internal Raw Capacity	72TB (4x 18TB HDD)
Drive Bays	8x 2½"/3½" SATA III	10x 2½"/3½" SATA III	10x 2½"/3½" SATA III		
M.2 Slots	2x M.2 PCIe (NVMe) or SATA SSD Support M.2 2280, 2260 and 2242	2x M.2 PCIe (NVMe) or SATA SSD Support M.2 2280, 2260 and 2242	2x M.2 PCIe (NVMe) or SATA SSD Support M.2 2280, 2260 and 2242		
USB	2x USB 3.2 Gen 1 (1x Front; 1x Rear)	2x USB 3.2 Gen 1 (1x Front; 1x Rear)	1x USB 3.2 Gen 1 (Front); 2x USB 3.2 Gen 2 (Rear)		
LAN	2x 2.5 Gigabit (Wake On WAN), 2x 10 Gigabit	2x 2.5 Gigabit (Wake On WAN), 2x 10 Gigabit	3x 2.5-Gigabit, 1x 10-Gigabit	Drive Bays	4x 2½"/3½" SATA III
Expansion	-	-	-		
Dimensions(HxWxD)	215.5x293x230 mm	215.5x293x230 mm	215.5x293x230 mm	Dimensions (HxWxD)	185.5x170x230 mm
Weight	6.2kg/13.67lb	6.4kg/14.1lb	7.1 kg/15.62 lb		
Power	250W	250W	350W		
Operation	66.9W	76.8W	78.7W	Weight	2.7kg/5.95lbs
Disk Hibernation	37.2W	41.1W	40.1W	Disk Tray Lock	Yes
Sleep Mode (S3)	No Sleep Mode	No Sleep Mode	Yes		
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 0/1/5/6/10 + Hot Spare	Front Panel LED	Power, Status, Link, Alert, HDD
Display Out	-	-	-	Power Supply	90W AC Adapter
Infrared Receiver	-	-	-		
Service LED	-	-	-	Volume Type	Single, JBOD, RAID 0/1/5/6/10,RAID 1/5 +Hot Spare
Disk Tray Lock	Yes	Yes	Yes		
LCD Panel	Yes	Yes	Yes		
Audio Output	-	-	-		

*Must be Used in Combination with ADM 3.0 or above

Dealer Seal

1553-C0ENG031-220

	LOCKERSTOR 4RS/4RD AS6504RS/AS6504RD	LOCKERSTOR 12RD AS6512RD	LOCKERSTOR 12R Pro AS7112RDX, 2U	LOCKERSTOR 16R Pro AS7116RDX, 3U
Processor	Intel ATOM C3538 2.1GHz Quad-Core	Intel ATOM C3538 2.1GHz Quad-Core	Intel 9th generation Quad-Core Xeon 4.6GHz Turbo	Intel 9th generation Quad-Core Xeon 4.6GHz Turbo
Memory	8GB SO-DIMM DDR4 (Expandable. max. 128GB, 32GB x4)	8GB SO-DIMM DDR4 (Expandable. max. 128GB, 32GB x4)	8GB ECC UDIMM DDR4-2666 (Expandable. max. 128GB, 32GB x4)	8GB ECC UDIMM DDR4-2666 (Expandable. max. 128GB, 32GB x4)
Drive Bays	4x 2½"/3½"" SATA III	12x 2½"/3½" SATA III	12x 2½"/3½" SATA III	16x 2½"/3½" SATA III
M.2 Slots	-	-	2x M.2 PCIe (NVMe) or SATA SSD Support M.2 22110,2280, 2260 and 2242	2x M.2 PCIe (NVMe) or SATA SSD Support M.2 22110,2280, 2260 and 2242
USB	4x USB 3.2 Gen 1	4x USB 3.2 Gen 1	4x USB 3.2 Gen 2 (Type A), 2x USB 3.2 Gen 2 (Type C)	4x USB 3.2 Gen 2 (Type A), 2x USB 3.2 Gen 2 (Type C)
LAN	2x 2.5 Gigabit (Wake On WAN) 2x 1 Gigabit	2x 2.5 Gigabit (Wake On WAN) 2x 1 Gigabit	4x Gigabit	4x Gigabit
Expansion	1x for optional expansion 10 GbE card	1x for optional expansion 10 GbE card	3x for optional expansion 10,25,40,50GbE card and SAS card	3x for optional expansion 10,25,40,50GbE card and SAS card
Dimensions(HxWxD)	44x439x515 mm	88x439x535 mm	88x439x535 mm	132x439x535 mm
Weight	4RS: 7.85kg/17.27lb, 4RD: 9.3kg/20.46lb	11.7kg/25.74lb	13 kg/28.6 lb	15.3 kg/39.6 lb
Power	4RS : 250W x1, 4RD : 250W x2	350W x2 (80 Plus Gold)	550W x2 (80 Plus Platinum)	550W x2 (80 Plus Platinum)
Operation	4RS: 47.7W, 4RD: 65W	115W	92.4W	121.7W
Disk Hibernation	4RS: 28.4W, 4RD: 42.4W	67W	45.5W	51.5W
Sleep Mode (S3)	No Sleep Mode	No Sleep Mode	7.55W	7.55W
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Hot Spare	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Hot Spare
Display Out	-	-	-	-
Infrared Receiver	-	-	-	-
Service LED	Yes	Yes	Yes	Yes
Disk Tray Lock	Yes	Yes	Yes	Yes
LCD Panel	-	-	-	-
Audio Output	-	-	-	-

Software & Features

Operating System
· ADM 4.2 Onwards
· Supports Online Firmware Updates

Supported OS
· Windows XP, 7, 8, 10, 11, Server 2003, 2008, 2012, 2016, 2019, 2022
· macOS 10 Onwards
· UNIX, Linux, BSD

Access Control
· Supports 2-Step Verification
· Supports Batch Creation and Importation of ADM Accounts
· Supported Importation File Format: txt, csv
· Maximum Number of Users: 4096/16384 (Lockerstor 10 Pro series)
· Maximum Number of Groups: 512
· Maximum Number of Shared Folders: 512
· Maximum Number of Concurrent Connections: 512/2048 (Lockerstor 10 Pro series)
· Supports Windows Active Directory/LDAP

File Explorer
· Web-based File Management
· ISO File Mounting
· Share Links quick upload
· Data Access via External Optical Drive
· Supports video playback

ACL
· Provides both Windows ACL and Linux ACL permission configuration methods
· Can enable Windows ACL for specific shared folders
· 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

SSD Cache
· SSD-like performance with traditional hard drives supports read-only access and read-write cache mode
· Supported Models: AS63/64/Nimbustor/ Lockerstor/Lockerstor Pro series

M.2 Storage
· Supported Models: Lockerstor 2/4/8/10/ 10 Pro/12R Pro/16R Pro/Lockerstor Gen 2/ Flashstor 6/12 Pro

Customized Sign In Page
· Light and dark modes
· Customizable Title, Image and Background
· System Announcements
· App Shortcuts

Energy Control
· Configurable Disk Hibernation and Sleep Mode Wait Time
· Configurable Time Period for Sleep Mode Activation

Backup Solutions (Two-Way Backup)
· Rsync (Remote Sync) Backup
· Cloud Backup   · FTP Backup
· External Backup   · One Touch Backup
· Internal Backup   · EZ Sync
· Apple®Time Machine® backup application
· ASUSTOR Backup Plan (Windows)

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

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

External Devices
· Supports USB/eSATA 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

iSCSI
· Maximum Targets: 256
· Maximum Snapshot Versions of a Single LUN: 256
· Maximum LUNs: 256/512 (Lockerstor 10 Pro series)
· Supports Scheduled LUN Snapshot
· Target Masking
· LUN Mapping
· ISO File Mounting
· Supports MPIO
· Persistent (SCSI-3) Reservations

Supported Browsers
· Firefox   · Chrome   · Safari   · Microsoft Edge

MyArchive
· Insert Hard Disk & Immediately Access Files
· Transfer or Exchange Terabytes of Data via the Internal Hot-Swap SATA Interface
· Requires at least one free drive bay
· Supported File System Formats: EXT4, NTFS, HFS+, exFAT, Btrfs
· Supports Self-defined Alias Name
· Supports AES 256-bit Encryption for MyArchive Disks (EXT4 and Btrfs only)
· Scheduled backup

File System
· Internal Disk: ext4, Btrfs*
· External Disk: FAT32, NTFS, ext3, ext4, HFS+, exFAT, Btrfs*
*Btrfs is only supported on: AS63/64/Nimbustor/ Lockerstor/Lockerstor Pro/Flashstor series

DHCP Server
· Supports multiple IP subnet assignments
· Supports Lease Time, DHCP Reservation

Network
· TCP/IP (IPv4 & IPv6)   · Jumbo Frames (MTU)
· VLAN   · SMB Multichannel
· EZ-Connect   · Wireless Network
· DDNS and EZ-Router   · Supports Wake-on-LAN
· Supports Wake-on-WAN: AS63/64/Drivestor/Drivestor Pro/ Nimbustor/Lockerstor series/Flashstor 6

Network Protocols
· CIFS/SMB, SMB 2. 0/3. 0, AFP, NFS, FTP (Unicode Supported), TFTP, WebDAV, Rsync, SSH, SFTP, iSCSI, HTTP, HTTPS, Proxy, SNMP, Syslog

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 RAID Level Migration
· Support for RAID Capacity Expansion

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

System Administration

· Support scheduled upgrade ADM & AppLog Type: System Log, Connection Log, File Access Log
· Real-time Online User Monitoring
· Real-time System Monitoring
· User Quotas
· Virtual Drives (ISO Mounting, Maximum 16)
· UPS Support

Network Recycle Bin

· Share folder-based
· Maintains original directory structure and file permission
· One-click restore
· Supports scheduled emptying
· Filtering rules (1.File size 2.File extension)
· Deletion Settings (1.File size 2.File date)

Security

· AES 256-Bit Folder Encryption
· Built-in Hardware Encryption Engine: AS63/64/Drivestor/Drivestor Pro/Nimbustor/ Lockerstor/Lockerstor Pro/Flashstor series
· Firewall: Helps Prevent Unauthorized Access
· Network Defender: Helps Prevent Network Attacks
· Encrypted Connections: HTTPS, FTP over SSL/TLS, SSH, SFTP, Rsync over SSH
· Alert Notifications: E-mail, SMS, Pushbullet, Pushover, AiMaster
· Supports Let's Encrypt
· Supports Intermediate Certificate
· RAID Scrubbing: detects the integrity and consistency of RAID 5 and RAID 6 drive data

Dr. ASUSTOR

· Security advice and health records

Snapshot Center

· Btrfs snapshots
· Max: 256 snapshots
· Integrated with existing iSCSI LUNs snapshots
· Applicable series: AS63/64/Nimbustor/ Lockerstor/Lockerstor Pro/Flashstor series Snapshot Center will not display Volume snapshots information in other models.

Web Center

· Install Apache or Nginx or almost any other web server implementation

Featured Apps

Antivirus

· Scheduled Scans
· Automatic Virus Definition Updates
· Quarantines Infected Files

ASUSTOR Portal (HDMI Local Output)[1]

· Power Control Settings: Power on, Sleep, Restart, and Wake up with the Remote
· Customizable ASUSTOR Portal Desktop Wallpaper
· Add Shortcuts to Favorite Websites
· Increased TV Compatibility with Overscan
· Functionality and Resolution Settings
· Max resolution: 1080p (HD)/2160p (4K)[2]
· URL-Pack connects popular video streaming websites, URL-Pack-Social provides links to a variety of social media platforms

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)
· AiDownload for Android

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

DataSync for CloudDrive/DataSync Center

· Support Google Drive, HiDrive, Dropbox, Microsoft OneDrive, Yandex, ASUSTOR NAS (EZ Sync), Baidu Wangpan
· Each ADM account is able to individually log into a Cloud Storage account
· Supported backup methods:
  - Sync
  - Directly upload files to Cloud from NAS
  - Directly download files from Cloud to NAS

OwnTone

· For iTunes on Mac & Windows
· Supports AirPlay/Chromecast
· Supports iOS Remote Pairing

Plex Media Server

· Plex is currently a well-received multimedia center
· Plex Supports a Wide Range of Devices

VirtualBox

· 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

RADIUS Server

· Centralized management of wireless network certification
· Using WPA-Enterprise or WPA2-Enterprise encryption
· Must be combined with a wireless router that supports RADIUS authentication

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
· Email Alias Creation and Mapping
· Monitoring of Mail Queue
· Mail Service Activity Log
· Exclusive Email Backup Mechanism
· Auto-Forwarding and Auto-Response Protocols
· Antivirus

LooksGood

· Built-in three main video library categories and smart video sorting management
· Efficient Global Search function allows for searches by keywords followed by the execution of more detailed searches
· 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
· Easy streaming with Chromecast and DLNA

Photo Gallery 3

· Timeline view
· Smart Album
· Supports shared folder structure with Folders mode
· Now able to select any shared folder on a NAS for storing photos
· Easily adjustable preview sizes and modes. Includes adjusting by day, month, and year
· Comprehensive search function: Can use keywords to search within photos, albums, and folders. It can also specify search criteria such as file type and time
· Selecting multiple photos to rotate, tag, add to favorites, share and edit photos/videos time and date.
· Slideshow viewing mode with playing favorite songs
· Supports a wide range of image formats: RAW, PNG, JPEG, TIFF, GIF, HEIC
· Support mobile shot video playback
· View EXIF information and edit photo descriptions
· Easy management of duplicate photos

SoundsGood

· Import Personal/Public Music Collection
· Personal/Public Music Collection Permission Control
· Playlist Editor
· ID3 Tag Editor
· Local Speaker Support: HDMI, USB
· Local Network Audio Output Support: AirPlay Devices

Takeasy

· Download from YouTube, Twitch, Vimeo, YouKu and more
· Selectable the Video Type and Quality
· Automatic Downloads with Subscriptions
· Preview Downloads in Progress
· Online Playback

Cloud Backup Center

· Support Amazon S3, Backblaze B2, Box, Microsoft Azure Blob Storage, Alibaba Cloud, Baidu Cloud, IBM Cloud and Rackspace Cloud Files, WebDAV, SFTP, Google Cloud, hicloud
· Immediate or scheduled backup
· Perform multiple backup tasks and back up multiple accounts

Linux Center

· Integrate NAS operating system with Linux
· Flexible use of the Linux App
· HDMI output on command

Surveillance Center

· On-screen camera controls including camera PTZ, manual recordings, take snapshots, configure camera settings and open Maps
· Up to 4 channels of synchronous and non-synchronous playback with audio
· Intelligent video analytics including motion detection and foreign object detection
· Supported Browsers: Firefox, Chrome, Microsoft Edge
· Event notification supports SMS, E-mail, and mobile push notification
· Automated event action rules
· Role-based access control
· AiSecure mobile App for iOS and Android
· 4 free camera channel licenses, two different camera license packages are offered: single channel and 4 channels
· Please check ASUSTOR website for maximum IP cameras
· CMS Lite support centralize management for up to 256 IP Camera
  -Minimum Computer System Requirements:
  - CPU: Intel i5/i7, AMD Phenom II or above
  - RAM: DDR3 4GB or Above
  - Supported Operating Systems:
· Windows 7 and onwards
  Recommended Monitor Resolution:
  - 1280x800 Pixels
  - Network Interface: Gigabit x1
  - Dedicated Graphics Card is Recommended

UPnP Media Server

· Offers 2 Different Server Choices: UPnP v2, MiniDLNA
· Supports PS3/Xbox and Other UPnP Compatible Players
  * The supported formats may differ depending on the UPnP client in use

VPN Client

· Supports PPTP, OpenVPN and WireGuard VPN settings
· View Current Connections & Ability to Disconnect Suspicious Connections
· Comprehensive Connection Log

VPN Server

· Supported VPN settings: PPTP, OpenVPN & IPsec/L2TP Transmission Package Support
· 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
· Supports OpenVPN Configuration Files Importation

ASUSTOR Live

· Multistreaming (Including, but not limited to YouTube, Twitch, Facebook, Instagram, Restream or RTMP compatible platforms.)
· Streaming video save and use

Portainer and Docker

· Easy Docker Deployments