

asustor

More Than Just Storage Discover the Extraordinary with ASUSTOR



Performance
King



Boundless
Functionality



Intuitive
UI



Incredible
Value



Warranty
Service



ASUSTOR Data Master

Features of ADM 5.1

Post-Quantum Cryptography (PQC) Ready

ASUSTOR has officially upgraded ADM to support PQC Hybrid TLS encryption certified by the US NIST. This fully adopts the official version of the Kyber algorithm, X25519+ML-KEM 768, and in ADM 5.1 and later, is automatically enabled through TLS 1.3 without requiring any configuration. This protects against the Harvest Now, Decrypt Later threat. As long as your browser supports PQC, it will immediately establish a post-quantum cryptography (PQC) encrypted secure connection, and the connection status will be clearly displayed through the ADM interface, ensuring that data stored on your ASUSTOR NAS can withstand future quantum computer threats.

Enhanced ADM Account Password Rules

ADM now supports new account password strength and rule settings. System administrators can enable password rules to enforce the strength and complexity of all user passwords as well as set password expiration limits to require regular password updates to reduce the risk of compromise. ADM also improves the password reset mechanism. When system administrators or users forget their passwords, authentication is required to reset the password, enhancing ADM system account security.

ADM Defender Firewall Improvements

The firewall in ADM Defender has been enhanced to block more connection types. The firewall now blocks client IP addresses attempting to connect to the NAS through EZ-Connect. A new profile can now be added to block clients from connecting to Docker containers deployed on the NAS. This effectively reduces the risk of malicious actors attacking the NAS through various connection methods, further enhancing ADM data security.

Dealing with Duplicate Files

ADM now supports scanning for duplicate files in File Explorer. Simply select a folder to scan, and ADM will perform a quick duplicate file scan. ADM also supports more precise scans for longer comparisons. After scanning, file removal rules based on the scan results can be set, making it easy to quickly remove redundant duplicate files and more efficiently utilize NAS storage space.

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 disabling password authentication, greatly improving the security of SSH connections.

Surveillance Center

Instant Notifications

Surveillance Center supports push notifications, emails and SMS messages to individual cameras and events. 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, SMB, 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
- 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 Xpianstor 4 (AS5004U)

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 Brings
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.

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.

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.

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

The all new AiFoto has been revamped and brings a variety of new features to make photo organization easier than ever. New features for AiFoto include, timelines, smart albums, deduplication and free up space. 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 Gen2 AS1202T	 DRIVESTOR 4 Gen2 AS1204T	 DRIVESTOR 2 Pro Gen2 AS3302T v2	 DRIVESTOR 4 Pro Gen2 AS3304T v2
Processor	Realtek RTD1619B 1.7 GHz Quad-Core Processor	Realtek RTD1619B 1.7 GHz Quad-Core Processor	Realtek RTD1619B 1.7 GHz Quad-Core Processor	Realtek RTD1619B 1.7 GHz Quad-Core Processor
Memory	1GB DDR4 (non-upgradeable)	1GB DDR4 (non-upgradeable)	2GB DDR4 (non-upgradeable)	2GB DDR4 (non-upgradeable)
Drive Bays	2x 3½" SATA III	4x 3½" SATA III	2x 2½"/3½" SATA III	4x 2½"/3½" SATA III
M.2 Slots	-	-	-	-
USB	3x USB 5Gbps	3x USB 5Gbps	3x USB 5Gbps	3x USB 5Gbps
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)	165 x 102 x 218 mm	165 x 164 x 218 mm	170 x 114 x 230 mm	170 x 174 x 230 mm
Weight	1.16 kg / 2.56 lb	1.60 kg / 3.53 lb	1.6kg / 3.53lb	2.2kg / 4.85lb
Power	65W AC Adapter	90W AC Adapter	65W AC Adapter	90W AC Adapter
Operation	11.2W	21.4W	13.1W	25.1W
Disk Hibernation	6.95W	8.65W	4.5W	8.4W
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, RAID 1/5 + Spare Drive	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Spare Drive
Display Out	-	-	-	-
Service LED	-	-	-	-
Disk Tray Lock	-	-	-	-
LCD Panel	-	-	-	-
Audio Output	-	-	-	-

Hardware Specifications

	Home to Power User		Power User to Business	
				
	AS5402T	AS5404T	FLASHSTOR 6 FS6706T	FLASHSTOR 12 Pro FS6712X
Processor	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	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	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB x2)	4GB DDR4-2933 SO-DIMM (Expandable. max. 16GB, 8GB 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	4x M.2 PCIe (NVMe) Support M.2 2280	4x M.2 PCIe (NVMe) Support M.2 2280	6x M.2 PCIe (NVMe) Support M.2 2280	12x M.2 PCIe (NVMe) Support M.2 2280
USB	3x USB 10Gbps (1x Front ; 2x Rear)	3x USB 10Gbps (1x Front ; 2x Rear)	2x USB 10Gbps (1x Front ; 1x Rear) 2x USB 2.0	2x USB 10Gbps (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)	170 x 114 x 230 mm	170 x 174 x 230 mm	48.3 x 308.26 x 193 mm	48.3 x 308.26 x 193 mm
Weight	1.71kg / 3.77lb	2.26kg / 4.98lb	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	22.9W	38.3W	18.2W	26W
Disk Hibernation	12.7W	17.7W	-	-
Sleep Mode (S3)	0.71W	0.81W	0.83W	-
Volume Type	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive
Display Out	1x HDMI™	1x HDMI™	1x HDMI™	1x HDMI™
Service LED	-	-	-	-
Disk Tray Lock	-	-	-	-
LCD Panel	-	-	-	-
Audio Output	-	-	1x S/PDIF	1x S/PDIF

	Power User to Business		
			
	LOCKERSTOR 2 Gen2+ AS6702T v2	LOCKERSTOR 4 Gen2+ AS6704T v2	LOCKERSTOR 6 Gen2+ AS6706T v2
Processor	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	Intel Celeron N5105 Quad-Core, 2.0 GHz up to 2.9 GHz
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 slots for NVMe SSDs Supports PCIe 3.0	4x M.2 slots for NVMe SSDs Supports PCIe 3.0	4x M.2 slots for NVMe SSDs Supports PCIe 3.0
USB	2x USB 10Gbps (1x Front ; 1x Rear) 1x USB 2.0 (Rear)	2x USB 10Gbps (1x Front ; 1x Rear) 1x USB 2.0 (Rear)	2x USB 10Gbps (1x Front ; 1x Rear) 1x USB 2.0 (Rear)
LAN	2x 5-Gigabit (Wake On WAN)	2x 5-Gigabit (Wake On WAN)	2x 5-Gigabit (Wake On WAN)
Expansion	-	1x for optional expansion 10 GbE card (* Installation of 10GbE NIC requires removal of M.2 daughterboard.	1x for optional expansion 10 GbE card (* Installation of 10GbE NIC requires removal of M.2 daughterboard.
Dimensions(HxWxD)	163.5 x 108 x 230 mm	185.5 x 170 x 230 mm	185.5 x 233 x 230 mm
Weight	2 kg / 4.41 lb	2.96 kg / 6.53 lb	4.4 kg / 9.7 lb
Power	65W AC Adapter	90W AC Adapter	250W
Operation	18.8W	27.1W	35.8W
Disk Hibernation	12.9W	14.7W	24.8W
Sleep Mode (S3)	1.18W	1.2W	1.16W
Volume Type	Single, JBOD, RAID 0/1	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive
Display Out	1x HDMI™	1x HDMI™	1x HDMI™
Service LED	-	-	-
Disk Tray Lock	Yes	Yes	Yes
LCD Panel	-	Yes	Yes
Audio Output	-	-	-

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

Power User to Business



FLASHSTOR 6 Gen2
FS6806X



FLASHSTOR 12 Pro Gen2
FS6812X

Processor	AMD Ryzen V3C14 Quad-Core, 2.3 GHz up to 3.8 GHz	AMD Ryzen V3C14 Quad-Core, 2.3 GHz up to 3.8 GHz
Memory	8GB DDR5-4800 SO-DIMM (Expandable. max. 64GB, ECC supported)	16GB ECC DDR5-4800 SO-DIMM (Expandable. max. 64GB)
Drive Bays	-	-
M.2 Slots	6x M.2 PCIe (NVMe) Support M.2 2280 Supports PCIe 4.0	12x M.2 PCIe (NVMe) Support M.2 2280 Supports PCIe 4.0 and 3.0
USB	3x USB 10Gbps (2x Front; 1x Rear) 2x USB 4.0 Type-C (2x Rear)	3x USB 10Gbps (2x Front; 1x Rear) 2x USB 4.0 Type-C (2x Rear)
LAN	1x 10-Gigabit	2x 10-Gigabit
Expansion	-	-
Dimensions(HxWxD)	48.3 x 308.26 x 193 mm	48.3 x 308.26 x 193 mm
Weight	1.4 kg / 3.08 lb	1.45 kg / 3.19 lb
Power	90W AC Adapter	120W AC Adapter
Operation	17.9W	33.2W
Disk Hibernation	-	-
Sleep Mode (S3)	1.2W	2.8W
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive
Display Out	-	-
Service LED	-	-
Disk Tray Lock	-	-
LCD Panel	-	-
Audio Output	-	-

Power User to Business



LOCKERSTOR 4 Gen3
AS6804T



LOCKERSTOR 6 Gen3
AS6806T



LOCKERSTOR 8 Gen3
AS6808T



LOCKERSTOR 10 Gen3
AS6810T

Processor	AMD Ryzen V3C14 Quad-Core, 2.3 GHz up to 3.8 GHz	AMD Ryzen V3C14 Quad-Core, 2.3 GHz up to 3.8 GHz	AMD Ryzen V3C14 Quad-Core, 2.3 GHz up to 3.8 GHz	AMD Ryzen V3C14 Quad-Core, 2.3 GHz up to 3.8 GHz
Memory	16GB ECC DDR5-4800 SO-DIMM (Expandable. max. 64GB, 32GB x2)	16GB ECC DDR5-4800 SO-DIMM (Expandable. max. 64GB, 32GB x2)	16GB ECC DDR5-4800 SO-DIMM (Expandable. max. 64GB, 32GB x2)	16GB ECC DDR5-4800 SO-DIMM (Expandable. max. 64GB, 32GB x2)
Drive Bays	4x 2 1/2"/3 1/2" SATA III	6x 2.5"/3.5" SATA III	8x 2.5"/3.5" SATA III	10x 2.5"/3.5" 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	4x M.2 PCIe (NVMe) Support M.2 2280
USB	3x USB 10Gbps (2x Front; 1x Rear) 2x USB 4.0 Type-C (2x Rear)	3x USB 10Gbps (2x Front; 1x Rear) 2x USB 4.0 Type-C (2x Rear)	3x USB 10Gbps (2x Front; 1x Rear) 2x USB 4.0 Type-C (2x Rear)	3x USB 10Gbps (2x Front; 1x Rear) 2x USB 4.0 Type-C (2x Rear)
LAN	2x 5-Gigabit (Wake On LAN/WAN); 2x 10-Gigabit	2x 5-Gigabit (Wake On LAN/WAN); 2x 10-Gigabit	2x 5-Gigabit (Wake On LAN/WAN); 2x 10-Gigabit	2x 5-Gigabit (Wake On LAN/WAN); 2x 10-Gigabit
Expansion	1x for optional expansion 10 GbE card*	1x for optional expansion 10 GbE card*	1x for optional expansion 10 GbE card*	1x for optional expansion 10 GbE card*
Dimensions(HxWxD)	185.5 x 170 x 230 mm	185.5 x 233 x 230 mm	215.5 x 293 x 230 mm	215.5 x 293 x 230 mm
Weight	3.2 kg / 7.06 lb	4.6 kg / 10.14 lb	6.45kg / 14.22 lb	6.55kg / 14.44 lb
Power	90W AC Adapter	250W	250W	250W
Operation	34W	45W	58.5W	68W
Disk Hibernation	18W	20W	25W	26W
Sleep Mode (S3)	2.3W	2.3W	2.4W	2.4W
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive
Display Out	-	-	-	-
Service LED	-	-	-	-
Disk Tray Lock	Yes	Yes	Yes	Yes
LCD Panel	Yes	Yes	Yes	Yes
Audio Output	-	-	-	-

*Installation of 10GbE NIC requires removal of M.2 daughterboard / **TBP (To be provided)



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Dealer Seal

1553-C0ENG011-250

Power User to Business

Expansion Units



LOCKERSTOR 4RS/4RD
AS6504RS/AS6504RD



LOCKERSTOR 12RD
AS6512RD



AS5004U

Processor	Intel ATOM C3538 2.1GHz Quad-Core	Intel ATOM C3538 2.1GHz Quad-Core	Flash Memory	32MB
Memory	8GB SO-DIMM DDR4 (Expandable, max. 128GB, 32GB x4)	8GB SO-DIMM DDR4 (Expandable, max. 128GB, 32GB x4)	Expansion	USB 10Gbps
Drive Bays	4x 2½"/3½" SATA III	12x 2½"/3½" SATA III	HDD	4 x SATA3 6Gb/s; 3.5"/2.5" HDD/SSD
M.2 Slots	-	-	Maximum Internal Raw Capacity	96 TB (24 TB HDD x4, Capacity may vary by RAID types)
USB	4x USB 5Gbps	4x USB 5Gbps	Supports Hot Swappable Drives	Yes
LAN	2x 2.5 Gigabit (Wake On WAN) 2x 1 Gigabit	2x 2.5 Gigabit (Wake On WAN) 2x 1 Gigabit	System Fan	120mm x1
Expansion	1x for optional expansion 10 GbE card	1x for optional expansion 10 GbE card	Power Supply Unit/Adapter	90W x1
Dimensions(HxWxD)	44 x 439 x 515 mm	88 x 439 x 535 mm	Input Power Voltage	100V to 240V AC
Weight	4RS: 7.85kg / 17.27lb, 4RD: 9.3kg / 20.46lb	11.7kg / 25.74lb	Certification	FCC, CE, VCCI, BSMI, C-TICK
Power	4RS : 250W x1, 4RD : 250W x2	350W x2 (80 Plus Gold)		
Operation	4RS: 47.7W, 4RD: 65W	115W		
Disk Hibernation	4RS: 28.4W, 4RD: 42.4W	67W		
Sleep Mode (S3)	No Sleep Mode	No Sleep Mode		
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5/6/10 + Spare Drive		
Display Out	-	-		
Service LED	Yes	Yes		
Disk Tray Lock	Yes	Yes		
LCD Panel	-	-		
Audio Output	-	-		

Small & Medium Business



LOCKERSTOR 12R Pro Gen2
AS7212RDX, 2U



LOCKERSTOR 16R Pro Gen2
AS7216RDX, 3U



LOCKERSTOR 24R Pro Gen2
AS7224RDX, 4U

Processor	AMD Ryzen 7 PRO 7745 Octa-Core, 5.3GHz Turbo	AMD Ryzen 7 PRO 7745 Octa-Core, 5.3GHz Turbo	AMD Ryzen 7 PRO 7745 Octa-Core, 5.3GHz Turbo
Memory	16GB ECC UDIMM DDR5-4800 (Expandable, max. 192GB, 48GB x4)	16GB ECC UDIMM DDR5-4800 (Expandable, max. 192GB, 48GB x4)	16GB ECC UDIMM DDR5-4800 (Expandable, max. 192GB, 48GB x4)
Drive Bays	12x 2½"/3½" SATA III	16x 2½"/3½" SATA III	24x 2½"/3½" SATA III
M.2 Slots	1x M.2 slots for NVMe SSDs Supports M.2 2280 SSDs, Supports PCIe 5.0	1x M.2 slots for NVMe SSDs Supports M.2 2280 SSDs, Supports PCIe 5.0	1x M.2 slots for NVMe SSDs Supports M.2 2280 SSDs, Supports PCIe 5.0
USB	4x USB 5Gbps (Type A)	4x USB 5Gbps (Type A)	4x USB 5Gbps (Type A)
LAN	2x 10-Gigabit, 2x Gigabit	2x 10-Gigabit, 2x Gigabit	2x 10-Gigabit, 2x Gigabit
Expansion	2x for optional expansion 10,25,40,50GbE card and SAS card	2x for optional expansion 10,25,40,50GbE card and SAS card	2x for optional expansion 10,25,40,50GbE card and SAS card
Dimensions(HxWxD)	88 x 439 x 576 mm	116 x 439 x 576 mm	172 x 439 x 576 mm
Weight	14 kg / 30.9 lb	15.3 kg / 33.7 lb	18.6kg / 41lb
Power	550W x2 (80 Plus Platinum)	550W x2 (80 Plus Platinum)	550W x2 (80 Plus Platinum)
Operation	102W	187W	253W
Disk Hibernation	99W	128W	145W
Sleep Mode (S3)	-	-	-
Volume Type	Single, JBOD, RAID 0/1/5/6/10/50/60, RAID 1/5/6/10/50/60 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10/50/60, RAID 1/5/6/10/50/60 + Spare Drive	Single, JBOD, RAID 0/1/5/6/10/50/60, RAID 1/5/6/10/50/60 + Spare Drive
Display Out	-	-	-
Service LED	Yes	Yes	Yes
Disk Tray Lock	Yes	Yes	Yes
LCD Panel	-	-	-
Audio Output	-	-	-

Software & Features

Operating System

- ADM 5.1.2 Onwards
- Supports Online Firmware Updates

Supported OS

- Windows 7, 8, 10, 11
- Server 2008 R2, 2012, 2016, 2019, 2022, 2025
- macOS 10.13 Onwards
- UNIX, Linux, 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, Português, Türkçe, Español, Magyar, ภาษาไทย

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 Pro series)
- Maximum Number of Groups: 512
- Maximum Number of Shared Folders: 512
- Maximum Number of Concurrent Connections: 512/2048 (Lockerstor Pro series)
- Supports Windows Active Directory/LDAP

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
- Supports local users and groups
- Exclusive permission reset function allows users to quickly restore default permissions

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 · SMB Backup
- Cloud Backup · FTP Backup
- External Backup · One Touch Backup
- Internal Backup · EZ Sync
- Apple®Time Machine® backup application
- ASUSTOR Backup Plan (Windows/macOS)

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 Pro series)
- Supports Scheduled LUN Snapshot
- Target Masking · Supports MPIO
- LUN Mapping · ISO File Mounting
- Persistent (SCSI-3) Reservations

MyArchive

- Insert Hard Disk & Immediately Access Files
- Requires at least one free drive bay
- 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:AS1102TL/Drivestor Gen2/Drivestor Pro Gen2/AS63/64/AS52/AS53/AS54/Lockerstor(G1-G3)/Lockerstor Pro/Flashstor(G1-G2) series

DHCP Server

- Supports multiple IP subnet assignments
- Supports Lease Time, DHCP Reservation

Network

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

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 Drives
- Volume Type: Single, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
- Support for RAID Level Migration
- Support for RAID Capacity Expansion

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
- UPS Support

Network Recycle Bin

- Share folder-based
- Maintains original directory structure and file permission
- One-click restore
- Deletion Settings (1.File size 2.File date)

Security

- AES 256-Bit Folder Encryption
- Built-in Hardware Encryption Engine: AS63/64/Lockerstor(G1-G3)/Lockerstor Pro(G1-G2)/Flashstor(G1-G2) series
- Firewall: Helps Prevent Unauthorized Access
- 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
- WORM (Write Once, Read Many)

Dr. ASUSTOR

- Security advice and health records

Snapshot Center

- Btrfs snapshots · Max: 256 snapshots
- Integrated with existing iSCSI LUNs snapshots
- Applicable series: Drivestor Lite/Drivestor Gen2/ Drivestor Pro Gen2/AS63/64/AS52/AS53/AS54/ Lockerstor(G1-G3)/Lockerstor Pro (G1-G2)/ Flashstor(G1-G2)series

Web Center

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

Note:

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

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 with Remote
- Add Shortcuts to Favorite Websites
- Max resolution: 1080p (HD)/2160p (4K)

Download Center

- Supports BT(Torrent & Magnet Link), HTTP and FTP Downloads
- Torrent Search
- Choose Files Before a BT Task Starts (Broadcatching)
- AiDownload for Android

DataSync Center

- Support Google Drive, Dropbox,Microsoft OneDrive, Yandex,ASUSTOR NAS (EZ Sync), Baidu Wangpan
- Into a Cloud Storage account

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
- 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

Portainer and Docker

- Easy Docker Deployments

Mail Server

- Each ADM Account can Become an
- 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
- Exclusive Email Backup Mechanism
- Auto-Forwarding and Auto-Response Protocols
- Antivirus

LooksGood

- Built-in three main video library categories and smart video sorting management
- 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

- Smart Album: Location, Video, Recent Added, Favorites, Duplicates
- Supports shared folder structure with "Folders" mode
- Now able to select any shared folder on a NAS
- 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: JPG/JPEG, GIF, PNG, BMP, TIFF, RAW, HEIC
- View EXIF information and edit photo descriptions
- Easy management of duplicate photos/videos

SoundsGood

- Import Personal/Public Music Collection
- Playlist Editor
- Local Speaker Support: HDMI™, USB
- Local Network Audio Output Support: AirPlay Devices

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, hcloud, Lyve Cloud
- Immediate or scheduled backup
- Perform multiple backup tasks and back up multiple accounts

Linux Center

- Flexible use of the Linux App
- HDMI™ output on command

Surveillance Center

- Up to 64 channels in 720p on single live view display
- 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
- Event notification supports SMS, E-mail, and mobile push notification
- Automated event action rules
- Role-based access control
- RTSP streaming server (video and audio)
- ONVIF Profile S, T supported
- CMS Lite supports connect up to 256 IP Cameras from 32 NAS
- Two different camera license packages are offered: single channel and 4 channels.
- Maximum IP Cam (4 Free Camera Licenses; Additional Licenses to be Purchased)

UPnP Media Server

- Offers 2 Different Server Choices: UPnP v2, MiniDLNA
- * The supported formats may differ depending on the UPnP client in use.

VPN Client

- Supports PPTP, OpenVPN and WireGuard VPN settings

VPN Server

- Supported VPN settings: PPTP, OpenVPN, IPsec/L2TP & WireGuard VPN
- PPTP Authentication: PAP, CHAP, MS CHAP, MS CHAP2
- 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