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 enables this feature 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 disable 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 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 Xpanstor 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 3 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 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, dedeuplication 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	DRIVESTOR 4 Gen2	DRIVESTOR 2 Pro Gen2	DRIVESTOR 4 Pro Gen2	
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-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	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		
	NIMBUSTOR 2 Gen 2 AS5402T	NIMBUSTOR 4 Gen 2 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	18.2 W	26 W	
Disk Hibernation	12.7W	17.7W	- -	-	
Sleep Mode (S3)	0.71W	0.81W	0.83 W	-	
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 12 Pro Gen2

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	
Processor	AMD Ryzen V3C14 Quad-Core 2.3 GHz up to 3.8 GHz	AMD







	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 2½"/3½" 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			
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 2.5 Gigabit (Wake On WAN); 2x 10 Gigabit	2x 2.5 Gigabit (Wake On WAN); 2x 10 Gigabit
Expansion	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	2.94 kg / 6.48 lb	4.4 kg / 9.7 lb	6.2kg / 13.67lb	6.4kg / 14.1lb
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

Power User to Business			Expansion Units			
	LOCKERSTOR 8 AS6508T	LOCKERSTOR 10 AS6510T		AS5004U	A	PANSTOR 12R
Processor	Intel ATOM C3538 2.1GHz Quad-Core	Intel ATOM C3538 2.1GHz Quad-Core	Flash Memory	y 32MB	Flash Memory	2MB SRAM
Memory	8GB SO-DIMM DDR4 (Expandable. max. 64GB, 32GB x2)	8GB SO-DIMM DDR4 (Expandable. max. 64GB, 32GB x2)	rtasii Meillory	JZMD	riasii Meillory	ZIVIB SKAIVI
Drive Bays	8x 2½"/3½" SATA III	10x 2½"/3½" SATA III	Expansion	USB 10Gbps	Expansion Port	SAS IN-port : 2 SAS Out-port: 2
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	1			<u> </u>
USB	2x USB 5Gbps (1x Front; 1x Rear)	2x USB 5Gbps (1x Front; 1x Rear)	HDD	4 x SATA3 6Gb/s; 3.5"/2.5" HDD/SSD	Compatible Drive Type	3.5" SAS 2 HDD; 3.5" SAS 3 HDD; 3.5" SATA 3 HDD
LAN	2x 2.5 Gigabit (Wake On WAN), 2x 10 Gigabit	2x 2.5 Gigabit (Wake On WAN), 2x 10 Gigabit	1	96 TB (24 TB HDD x4, Capacity may vary by RAID types)	Drive Bays	12
Expansion	-	- - -	Maximum Internal Raw Capacity			
Dimensions(HxWxD)	215.5 x 293 x 230 mm	215.5 x 293 x 230 mm				
Weight	6.2kg / 13.67lb	6.4kg / 14.1lb	Supports Hot Swappable	appable ¦ Yes	Supports Hot Swappable Drives	Yes
Power	250W	250W				
Operation	66.9W	76.8W	Drives			
Disk Hibernation	37.2W	41.1W	1	120mm x1	System Fan	3 x 80 x 38 mm hot-swap cooling fans
Sleep Mode (S3)	No Sleep Mode	No Sleep Mode	System Fan			
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		90W x1	Power Supply Unit / Adapter	650W x2
Display Out	-	-	Power Supply Unit/Adapter			
Service LED	- -	-	Immust Davis		Input Power	
Disk Tray Lock	Yes	Yes	Input Power Voltage	100V to 240V AC	Voltage	100V to 240V AC
LCD Panel	Yes	Yes	Cartification	ertification FCC, CE, VCCI, BSMI, C-TICK	Certification	FCC, CE, UKCA, VCCI, BSMI, C-Tick
Audio Output	-	-	Certification			

Small & Medium Business					
			New	New	
	LOCKERSTOR 4RS/4RD AS6504RS/AS6504RD	LOCKERSTOR 12RD AS6512RD	LOCKERSTOR 12R Pro Gen2 AS7212RDX, 2U	LOCKERSTOR 16R Pro Gen2 AS7216RDX, 3U	
Processor	Intel ATOM C3538 2.1GHz Quad-Core	Intel ATOM C3538 2.1GHz Quad-Core	AMD Ryzen 7 PRO 7745 Octa-Core, 5.3GHz Turbo	AMD Ryzen 7 PRO 7745 Octa-Core, 5.3GHz Turbo	
Memory	8GB SO-DIMM DDR4 (Expandable. max. 128GB, 32GB x4)	8GB SO-DIMM DDR4 (Expandable. max. 128GB, 32GB x4)	16GB ECC UDIMM DDR5-4800 (Expandable. max. 192GB, 48GB x4)	16GB ECC UDIMM DDR5-4800 (Expandable. max. 192GB, 48GB 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	-	-	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 PCle 5.0	
USB	4x USB 5Gbps	4x USB 5Gbps	4x USB 5Gbps (Type A)	4x USB 5Gbps (Type A)	
LAN	2x 2.5 Gigabit (Wake On WAN) 2x 1 Gigabit	2x 2.5 Gigabit (Wake On WAN) 2x 1 Gigabit	2x 10-Gigabit, 2x Gigabit	2x 10-Gigabit, 2x Gigabit	
Expansion	1x for optional expansion 10 GbE card	1x for optional expansion 10 GbE 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)	44 x 439 x 515 mm	88 x 439 x 535 mm	88 x 439 x 576 mm	116 x 439 x 535 mm	
Weight	4RS: 7.85kg / 17.27lb, 4RD: 9.3kg / 20.46lb	11.7kg / 25.74lb	14 kg / 30.9 lb	15.3 kg / 33.7 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	102W	187W	
Disk Hibernation	4RS: 28.4W, 4RD: 42.4W	67W	99W	128W	
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	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	Yes	Yes	Yes	Yes	
Disk Tray Lock	Yes	Yes	Yes	Yes	
LCD Panel	-	-	-	-	
Audio Output	-	-	-	-	

Operating System

- ADM 5.1 Onwards
- Supports Online Firmware Updates

- 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, Ceská, 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

ACI

- 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
- 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

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 NAŚ (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

- 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
- Must be combined with a wireless router that supports RADIUS authentication

Portainer and Docker

· Easy Docker Deployments

Software & Features

- Supports USB/eSATA External Storage
- Devices USB Wi-Fi Dongle Support
- Bluetooth Dongle/Speaker Support USB Printer Support
- USB DAC/IR Receiver/Keyboard/Mouse
- USB CD ROM Drive/DVD ROM Drive/BD-ROM

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

MvArchive

- 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/Nimbustor/ Lockerstor(G1-G3)/Lockerstor Pro/Flashstor (G1-G2) series

DHCP Server

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

- TCP/IP (IPv4 & IPv6) \cdot VLAN \cdot 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

Featured Apps

- 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

- 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

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

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)

- AES 256-Bit Folder Encryption
- Built-in Hardware Encryption Engine: AS63/64Nimbustor/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/Nimbustor/Nimbustor Gen2/Lockerstor(G1-G3)/Lockerstor Pro(G1-G2)/ Flashstor(G1-G2)series

Web Center

Install Apache or Nginx or almost any other web server implementation

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.

- **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
- 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 client in use.

UPnP Media Server Offers 2 Different Server Choices: UPnP v2, MiniDLNA The supported formats may differ depending on the

· 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