

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
- 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 | |
|-------------------|---|---|--|--|
| |  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 | 18.2W | 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)



ASUSTOR Inc.

3F, No.136, Daye Rd., Beitou Dist., Taipei City 112, Taiwan
Tel: +886 2 7737 0888

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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