

asustor

LOCKERSTOR 4 AS6604T



**Power for the power user
Bringing Double Performance,
and SSD Caching to the Small Business**

- Two 2.5 GbE ports with up to 5 Gbps under Link Aggregation
- Dual M.2 NVMe SSD ports for fast caching
- Overwhelming 4K experience
- Intel Celeron quad core CPU - 30% faster than previous generation
- 4GB DDR4-2400 - 30% faster than DDR3
- Supports Wake on LAN and Wake on WAN



Intel
Quad Core



3x USB 3.2



2x 2.5 Gigabit
Ethernet



4GB DDR4



2x M.2 Slot



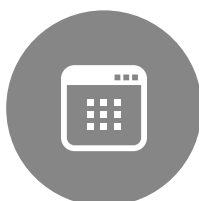
HDMI™



Performance
King



Boundless
Functionality



Intuitive
UI



Incredible
Value



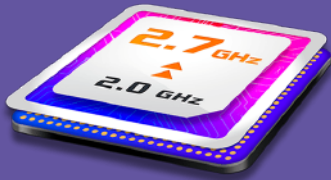
3 Year
Warranty

All new hardware – Same great case

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Powered by the latest Intel Celeron J4125 (Gemini Lake) quad-core processors

The Lockerstor 4 utilizes the Intel Gemini Lake Celeron J4125 Quad Core CPU and is 30% faster than Apollo lake. The Celeron J4125 also doubles the on-chip cache to 4MB, making the Lockerstor 4 one of our fastest NAS devices ever.



Link Aggregation (RAID 5) Windows Sequential

591 MB/S

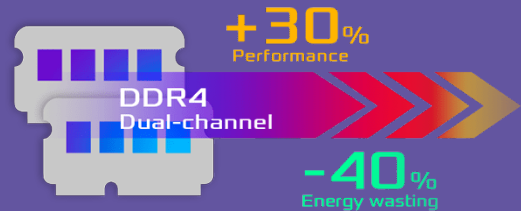
Read

590 MB/S

Write

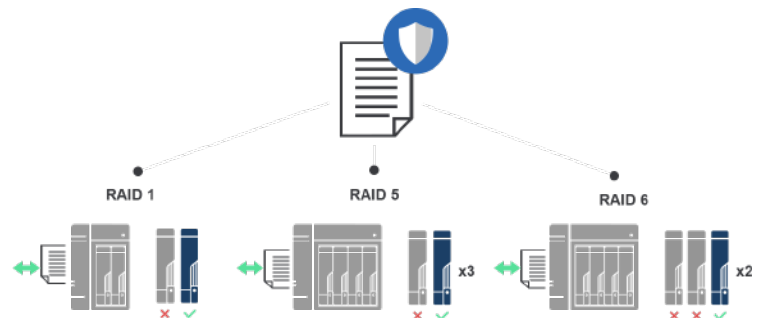
Upgradeable 4GB DDR4-2400 RAM

The Lockerstor 4 comes with four Gigabytes of DDR4 RAM and can be upgraded up to 8GB. DDR4 RAM provides up to 30% greater performance than DDR3 while also lowering energy requirements by 40%.



Data Protection Starts with Storage

ASUSTOR understands that your data is priceless, therefore ASUSTOR NAS provides different RAID Volume options, giving your data various levels of protection from the moment it is first stored on the NAS. We recommend you plan your storage protection based on your NAS model and number of hard disks. Data protection has never been so simple.

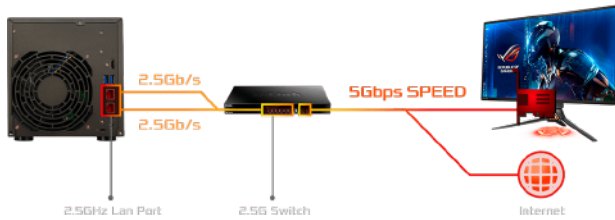


	Single	JBOD	RAID 0	RAID 1	RAID 5	RAID 6	RAID 10
Minimum number of disks	1	2	2	2	3	4	4
Faulty Disks Tolerated	X	X	X	1	1	2	1
Increased System performance	X	X	V	X	V	V	V
Maximum use of Storage space	V	V	V	🗄️ x 1/2	🗄️ -1	🗄️ -2	🗄️ x 1/2

150% faster with 2.5-Gigabit Ethernet

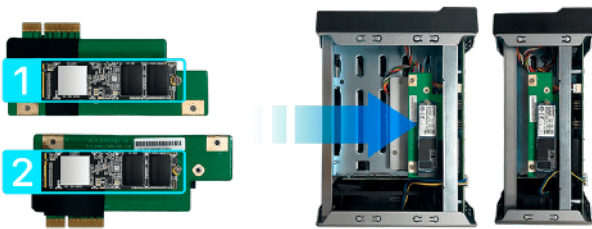
The Lockerstor 4 provides two 2.5-Gigabit Ethernet ports. Enable up to 150% faster performance than Gigabit Ethernet with compatible hardware and up to 5 Gbps using Link Aggregation.*

*Link Aggregation only supported with compatible hardware. Please check beforehand and verify that Link Aggregation is supported on your equipment.



Easy M.2 SSD installation

Dual M.2 slots for NVMe SSDs for SSD Caching.



360° Backup and Virtualization Solution

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



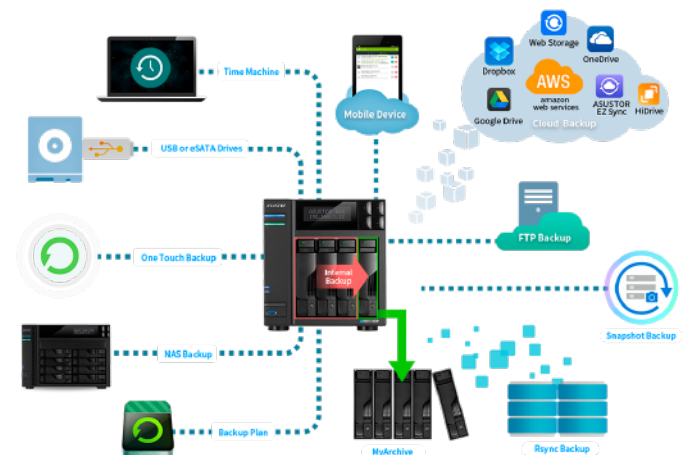
Four Bays with Two M.2 SSD Slots for Flexible Cached Storage

The Lockerstor 4 is a cost-effective high capacity NAS designed for enterprise environments. The Lockerstor 4 is flexible, supporting online capacity expansion and replacement. Online capacity expansion enables you to replace hard drives inside the NAS without downtime. If your budget and/or storage requirements are small, the Lockerstor 4 enables your NAS to grow alongside your needs by first purchasing smaller drives and then add more drives as you need. Additional drives can be purchased as your storage requirements grow and all drives can be fully replaced while continuing to use your NAS. Combining this with ASUSTOR's MyArchive cold storage technology enables you to store a virtually unlimited amount of information.



Comprehensive Backup Solutions

ASUSTOR's comprehensive backup solution provides more than twelve backup options, including, but not limited to Amazon S3, Dropbox, Google Drive, and Onedrive. ASUSTOR Backup Plan for Windows as well as Time Machine for macOS provide easy backups for desktop and laptops while MyArchive removable hard drives provide long term storage. Btrfs is now supported and with Snapshot Center, can take snapshots of your information in the event of unintentional modification. Restore previous versions easily with Snapshot Center.



Protected from the Inside and Out

ASUSTOR NAS ensures data security by creating an in-depth data protection plan that protects your data from the outside in. Utilization of a multi-layered deployment scheme allows for the achievement of active network, system and data protection.

Network Attack Protection

- Firewall
- ADM Defender

Secured Data Transmission

- VPN connection
- SSL certificate connection
- Automatic logout

Access Control

- File/Folder/App Isolated
- 2-Step Verification
- Wake-on-LAN (WOL)
- Wake-on-WAN (WOW)

Internal Data

- MyArchive Offline Backup
- AES-256 folder encryption
- Anti-virus software

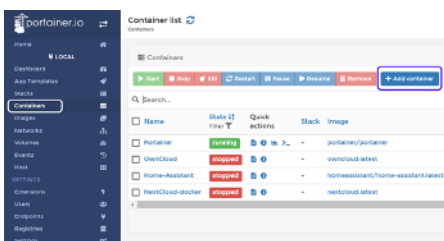
Wake on LAN and Wake on WAN – Always on Standby

Save power and money with Wake on LAN and Wake on WAN. The Lockerstor 4 features Wake on LAN and Wake on WAN, allowing the device to power off when not in use and be woken up with a command. Use Wake on LAN when on the same network as the NAS while Wake on WAN for when you are away from the NAS. Wake on LAN and Wake on WAN also protect against attacks by only waking up to your commands. To an outsider, your NAS is off, protecting your data.



Portainer – Easy Docker Deployments

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



Automatically Synchronize Files Between Computer and NAS

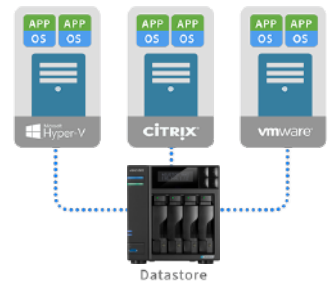
ASUSTOR EZ Sync brings the magic of cloud sync services right to your home. With an ASUSTOR NAS and EZ Sync, data can be synchronized anywhere with an internet connection without a monthly bill or a data limit. If data is unintentionally modified, restoration is easy with EZ Sync's automatic file history management feature.



Integrate with a Variety of Enterprise Applications

Virtual Storage

The ASUSTOR NAS provides enterprise-class hardware and software and is compatible with VMware, Citrix, Hyper-V virtual storage environments. iSCSI/IP-SAN and NFS support allow it to seamlessly integrate with existing IT environments, providing an optimal and cost-effective storage solution.



Snapshot Center

Snapshot Center is a new feature for ASUSTOR NAS devices to utilize Btrfs and iSCSI volumes to take snapshots of the information inside a NAS. Snapshot Center supports up to 256 snapshots of a volume and can be done every five minutes, creating a backup that can be restored easily if data is damaged or lost. MyArchive now supports Btrfs and snapshots. Btrfs for MyArchive supports snapshots and version history to help protect against accidental deletions or modifications.



Created for the Digital Home

ASUSTOR NAS allows you to enjoy thrilling digital entertainment at any time. Pair the Lockerstor 4's built-in HDMI port with various multimedia apps the NAS can be connected directly to UHD TVs and players. Enjoy multimedia with family and friends or use the UPnP multimedia server to stream your favorite media to compatible computers and mobile devices.



Comprehensive Surveillance System

The powerful ASUSTOR NAS provides optimal reliability for home and small businesses looking to set up a surveillance system. Four free camera channels are provided, making it an extremely cost-effective surveillance solution for users with smaller demands. The Lockerstor 4 supports up to 40 cameras with licenses sold separately. View Surveillance feeds on Surveillance Center and its corresponding mobile app AiSecure. AiSecure also supports streams while on the go with an Internet connection.

5 Steps 60 Seconds

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



PhotoGallery + AiFoto 3.0

The all new Photo Gallery 3 and AiFoto 3 have been revamped and brings a variety of new features to make photo organization easier than ever. New features for Photo Gallery 3 include, but not are limited to custom folder selection, timelines, smart albums, and new photo modes. Easily blow up photos to up to twice their size, play songs on slideshows, performance enhancements and customized share links make for an even better photo viewing and sharing experience.



Exclusive MyArchive Cold Backup Technology

MyArchive cold backup technology turns NAS hard disks into removable storage archives. Directly insert a MyArchive hard disk into the NAS to easily access, backup and share terabytes of content.

ASUSTOR Live

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



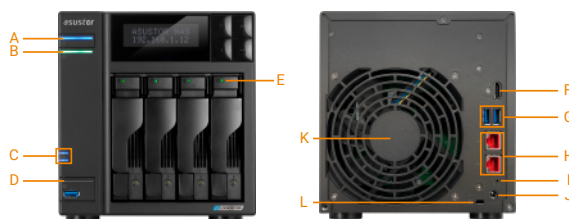
Mobile Apps

ASUSTOR's EZ Connect allows you to connect to your NAS from anywhere with your smartphone to access and share your files. ASUSTOR suite of mobile apps provide pass code locks to help protect your privacy and data. You can also make use of HTTPS connections for even more added security.

Hardware Specification

AS6604T

Processor	Intel Celeron J4125 Quad-Core 2.0GHz up to 2.7GHz
Memory	4GB DDR4-2400 SO-DIMM (max. 8GB, 4GB x2)
M.2 Drive Slots	2x M.2 PCIe (NVMe) Support M.2 2280
Drive Bays	4x SATA3 6Gb/s; 3.5"/2.5" HDD/SSD
Network	2x 2.5-Gigabit (Wake On WAN)
External Device Interface	1x USB 3.2 Gen 1 (Front) / 2x USB 3.2 Gen 1 (Rear)
Dimensions (HxWxD)	185.5(H) x 170(W) x 230(D) mm
Weight	2.96 kg/6.5 lb
Power	90W AC Adapter
Operation/Disk Hibernation/ Sleep Mode(S3)	27.6W/12.6W/0.75W
Volume Type	Single, JBOD, RAID 0/1/5/6/10, RAID 1/5 + Hot Spare



- | | |
|--------------------------------|------------------------|
| A. Power LED Indicator | F. HDMI Port |
| B. System Status LED Indicator | G. USB 3.2 Gen 1 Ports |
| C. Network LED Indicator | H. 2.5G RJ45 Ports |
| D. USB LED Indicator | I. Reset Button |
| E. Hard Disk LED Indicator | J. DC Input |
| | K. System Fan |
| | L. K-Lock |

Software & Features

Operating System

- ADM 3.5 Onwards
- Supports Online Firmware Updates
- Built-in App Central for Various Apps

Supported OS

- Windows XP, Vista, 7, 8, 10, Server 2003, Server 2008, Server 2012, Server 2016
- Mac OS X 10.6 Onwards
- UNIX, Linux, BSD

Access Control

- Maximum Number of Users: 4096
- Maximum Number of Groups: 512
- Maximum Number of Shared Folders: 512
- Maximum Number of Concurrent Connections: 512
- Supports Windows Active Directory/LDAP

File Explorer

- Web-based File Management
- ISO File Mounting · Share Links
- Task Monitor · Browse Files on Local PC
- Thumbnail Previews
- Data Access via External Optical Drive
- Supports video playback

System Administration

- Log Type: System
Log, Connection Log, File Access Log
- Real-time Online User Monitor
- Real-time System Monitor
- User Quota
- Virtual Drive (ISOMounting, Maximum 16)
- UPS Support

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 Online RAID Level Migration
- Support for Online RAID Capacity Expansion

Disk Management

- Scheduled Bad Block Scans
- Scheduled S.M.A.R.T Scans

External Devices

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

Energy Control

- Configurable Disk Hibernation and Sleep Mode Wait Time
- Configurable Time Period for Sleep Mode Activation
- Automatic Sleep

Network

- TCP/IP (IPv4 & IPv6)
- Link Aggregation: Supports 802.3ad and Six Other Modes for Load Balancing and/or Network Failover
- Jumbo Frame (MTU)
- VLAN
- EZ Connect
- Wireless Network
- DDNS/EZ-Router
- Supports Wake-on-LAN (WOL)
- Supports Wake-on-WAN (WOW)

Network Protocols

- CIFS/SMB, SMB 2.0/3.0, AFP, NFS, FTP (Unicode Supported), TFTP, WebDAV, Rsync, SSH, SFTP, iSCSI/IP-SAN, HTTP, HTTPS, Proxy, SNMP, Syslog

Security

- AES 256-Bit Encryption
- Firewall: Prevent Unauthorized Access
- Alert Notifications: E-mail, SMS
- Encrypted Connections: HTTPS, FTP over SSL/TLS, SSH, SFTP, Rsync over SSH
- Built-in Hardware Encryption Engine: AS31/32/40/50/51/61/62/63/64/70/ Nimbustor/Lockerstor/ Lockerstor Pro series
- RAID Scrubbing: detects the integrity and consistency of RAID 5 and RAID 6 drive data

Backup Solutions

- Rsync (Remote Sync) Backup
- Cloud Backup · FTP Backup
- External Backup · One Touch Backup
- EZ Sync

EZ Sync Manager

- Automatically synchronizes files between a PC and NAS
- Can restore previous versions of files
- Supports file sharing
- AiData now supports accessing EZ Sync files

Supported Browsers

- Internet Explore 11 Onwards, FireFox, Chrome, Safari, Microsoft Edge

Network Recycle Bin

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

Server

- VPN server, SNMP server, RADIUS server, Syslog server, Mail server, DHCP server, Web server, FTP server, Print server, Rsync server

ACL

- Provides both Windows ACL and Linux ACL permission configuration methods
- Can enable Windows ACL for specific shared folders
- Comprehensive support for Windows' 13 types of advanced permission settings
- Can view Windows ACL permission settings from within ADM
- Supports local users and groups
- Exclusive permission reset function allows users to quickly restore default permissions

SSD Cache

- SSD-like performance with traditional hard drives
- Supports read-only access and read-write cache mode
- Supported Models: AS31/32/50/51/61/62/63/64/70/ Nimbustor/Lockerstor/ Lockerstor Pro series

Snapshots

- Btrfs Snapshots
- 256 snapshots
- iSCSI LUNs
- Supported Models: AS31/32/40/50/51/61/62/63/64/70/ Nimbustor/Lockerstor/ Lockerstor Pro series
- Snapshot Center will not display Volume snapshots information in other models.

Supported Languages

- Deutsch, English, Français, Italiano, Nederlands, Русский, 日本語, 한글, 简体中文, 繁体中文, Česká, Polski, Svenska, Dansk, Norsk, Suomi, Português, Türkçe, Español, Magyar

iSCSI/IP-SAN

- Maximum Targets: 256
- Maximum LUNs: 256
- Maximum Snapshot Versions of a Single LUN: 256
- Target Masking
- LUN Mapping
- ISO File Mounting
- Supports MPIO
- Persistent (SCSI-3) Reservations

Featured Apps

- | | |
|---------------------------|-----------------------|
| · Antivirus | · LooksGood |
| · Download Center | · Photo Gallery |
| · FTP Explorer | · SoundsGood |
| · DataSync for CloudDrive | · ASUSTOR Live |
| · Cloud Backup Center | · Linux Center |
| · VirtualBox | · Surveillance Center |
| · RADIUS Server | · UPnP Media Server |
| · Mail Server | · VPN Server |
| · DataSync Center | · VPN Client |

Mobile Apps

- | | | |
|------------|--------------|------------|
| · AiMaster | · AiVideo | · AiSecure |
| · AiFoto | · AiData | · AiRemote |
| · AiMusic | · AiDownload | |



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