

AS5304T

Asus Tower 4 bay NAS Drive with 2x 2.5 GbE LAN, Celeron Quad 1.5GHz, 2GB RAM

Product Overview

Asus Tower 4 bay NAS, Intel Celeron J4105 Quad-Core 1.5 GHz (Burst up to 2.5GHz) Processor, AES-NI Hardware Encryption engine Integrated, 4GB SO-DIMM DDR4, 4GB eMMC Flash Memory, 4x SATA3 6GB/s - 3.5"/2.5" HDD/SSD, 56 TB Maximum internal raw capacity, 3x USB 3.2 Gen 1, 2x 2.5 Gigabit Ethernet, 1x HDMI 2.0A, Infrared receiver, Toolless installation, SSD caching, Snapshot, The Maximum channels supports : 36 (4 free license included), Two 2.5 GbE ports with up to 5 Gbps under Link aggregation





Specifications

Overview:

2.5GbE stores even more with the AS5304T!

The #1 cloud storage device for live stream collection and content creators.

- Two 2.5 GbE ports with up to 5 Gbps under Link Aggregation
- Up to 56TB. Store live streams on your NAS
- Overwhelming 4K experience
- 4GB DDR4-2400 - 30% faster than DDR3
- Intel Celeron quad core CPU - 30% faster than previous generation.

Features:

1.5Ghz Quad-core boosts to 2.5Ghz

The AS5304T utilizes the Intel Gemini Lake Celeron J4105 Quad Core CPU and is 30% faster than Apollo lake. The Celeron J4105 also doubles the on-chip cache to 4MB, making the AS5304T one of our fastest NAS devices ever.

Upgradeable 4GB DDR4-2400 RAM

The AS5304T 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%.

150% Faster with 2.5-Gigabit Ethernet

The AS5304T 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.

Live Streaming With Your NAS

ASUSTOR NAS devices offer live stream records in up to 4K HDR to be saved directly onto a NAS without affecting game performance. For gamers without large hard drive capacities, LAN parties and internet cafes, ADM offers iSCSI to store less demanding titles to play across multiple devices simultaneously.

YouTube and Twitch as cloud platforms are not always reliable with long-term archival of content and videos may be deleted without notice. For that, ASUSTOR provides Takeeasy, an app that downloads videos from YouTube and Twitch for archival purposes and can automatically download all public content from a specific channel.

As Much Space as Needed

The AS5304T supports up to 56TB, enabling storage of large live streams and videos. Complement gameplay recordings with a NAS. Not enough? Expand your AS5304T with up to three AS6004U expansion units for a total of 168TB.

Overwhelming 4K HDR Experience

The AS5304T features HDMI 2.0a with 10bit 4K hardware decoding, HEVC decoding and VP9 10bit Profile2 decoding for a

smoother experience and lower CPU usage. Use Plex Pass or a third-party player to play 4K HDR videos.

A New Look

Diamond-cut exterior with gaming-inspired elements. ASUSTORs AS5304T features a diamond-cut exterior with new gaming-inspired aesthetic. Installation of hard drives is easy with the included toolless caddies while also supporting hot swapping.

Ultra-quiet Operation

The AS53 series devices produce only 19 decibels of noise during system standby, equivalent to the almost inaudible sound of a pin drop. During system operation, only 32 decibels of noise is produced, equivalent to the hushed tones of a quiet library, allowing the AS53 series devices to seamlessly and comfortably integrate into any living environment.

24/7 Reliability and Durability

All ASUSTOR NAS are designed for and are suitable for 24/7 use. ASUSTOR NAS devices have also undergone rigorous tests, such as drop tests and burn tests to test durability in extreme conditions. Heatsinks were added to sensitive components to dissipate heat, helping to maintain the longevity of the device.

Save Power to Save Money

ASUSTOR NAS products are designed and developed around ecologically friendly concepts. When in use, our devices consume far less power than the average computer or server. Furthermore, our advanced power control features allow you to more efficiently manage your NAS device and hard drives. This lowers your electric bill and prolongs the lifespan of your hard drives all at the same time. While in disk hibernation, the AS5304T consumes only 12.6 W of power. Under normal operating conditions it still only consumes 27 W of power.

Comprehensive Backup Solutions

ASUSTORs 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.

Unlimited Capacity Expansion

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.

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.

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.

Cross-Platform Multi-User Access

The ASUSTOR NAS provides seamless cross-platform and multi-user access, allowing you to easily connect to your NAS from Windows, Mac OS X or Unix-like operating systems no matter if you are using a PC, notebook, tablet or smartphone.

Effortless Connections to Your NAS

ASUSTOR NAS devices support automatic port forwarding to allow remote connections to the NAS. Automatic port forwarding eliminates the need to manually configure routers. ASUSTOR EZ Connect is an ASUSTOR service that allows customers to easily connect with a customized Cloud ID and access their information while away. ASUSTOR EZ Connect supports Windows with a desktop client while EZ Connect is supported on mobile devices through ASUSTORs Ai Series of apps.

Specifications:

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Specifications

Product Code	AS5304T
Hardware Specifications	CPU: Intel Celeron J4105 Quad-Core 1.5 GHz (burst up 2.5GHz) Processor
	AES-NI hardware encryption engine integrated
	Memory: 4GB SO-DIMM DDR4
	Memory Module Pre-installed: 4GB (1 x 4GB)
	Total Memory Slots: 2
	Memory Expandable up to: 8GB (2 x 4GB)
	Support mixed capacity
	Flash Memory: 4GB eMMC
	HDD: 4 x SATA3 6Gb/s, 3.5"/2.5" HDD/SSD
	Maximum Internal Raw Capacity: 56 TB (14 TB HDD X 4, Capacity may vary by RAID types)
	Maximum Drive Bays with Expansion Unit: 16
	Maximum Raw Capacity with Expansion Units : 224 TB (14 TB HDD X 16, Capacity may vary by RAID types)
	Expansion: USB 3.2 Gen 1 x3
	Network: 2.5 Gigabit Ethernet x 2
	Output: HDMI 2.0a x1
	System Fan: 120mm x 1
	Infrared Receiver
	Power Supply Unit / Adapter: 90W x1
	Input Power Voltage: 100V to 240V AC
	Certification: FCC, CE, VCCI, BSMI, C-TICK
Operation	Power Consumption: 27 W (Operation)
	12.6 W (Disk Hibernation)
	1.4 W (Sleep Mode)
	Noise Level: 19.7dB (HDD idle)
	Operation Temperature: 0 degreesC~40 degreesC (32 degreesF~104 degreesF)
	Humidity: 5% to 95% RH
ASUSTOR Highlight	System Migration
	EZ Connect
	Dr.ASUSTOR
	2-way Backup
	Task Monitor

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Eco-Friendly Design	System Automatically Enters Sleep Mode (Schedule S3)
	Auto-Standby for Both Internal and External Disks
	Auto Fan Control
	LED Night Mode
	Power Schedule: On, Off, Restart, and Sleep.
Size and Weight	Size: 170(H) x 174(W) x 230(D) mm
	Weight: 2.2 kg / 4.85 lbs
	Software & Features
Operating System	ADM 3.4 Onwards
	Supports Online Firmware Updates
Supported OS	Windows XP, Vista, 7, 8, 10, Server 2003, Server 2008, Server 2012
	Mac OS X 10.6 Onwards
	UNIX, Linux, and BSD
Supported Browsers	Internet Explore 11 Onwards
	FireFox
	Chrome
	Safari
	Microsoft Edge
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
File System	Internal Disk: EXT4, Btrfs
	External Disk: FAT32, NTFS, EXT3, EXT4, HFS+, exFAT, Btrfs
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 degrees
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

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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
Customized Sign In Page	2 Different Template Choices
	Customizable Title, Image and Background
	Image Import Function
Disk Management	Scheduled Bad Block Scans
	Scheduled S.M.A.R.T Scans
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 ³
	DDNS and EZ-Router
	Supports Wake-on-LAN (WOL)
	Supports Wake-on-WAN (WOW)
Backup Solutions	Rsync (Remote Sync) Backup
	Cloud Backup
	FTP Backup
	External Backup
	One Touch Backup
	EZ Sync
Snapshots	Btrfs Snapshots
	256 snapshots
	iSCSI LUNs
	Support model: AS31/32/40/50/51/52/53/61/62/63/64/70. Snapshot Center will not display Volume snapshots information in other models.

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System Administration	Log Type: System Log, Connection Log, File Access Log
	Real-time Online User Monitor
	Real-time System Monitor
	User Quota
	Virtual Drive (ISO Mounting, Maximum 16)
	UPS Support
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
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
	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
	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: AS31/32/50/51/52/53/61/62/63/64/70 series
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: AS10/31/32/40/52/53/6/61/62/63/64/70 Series
	RAID Scrubbing: detects the integrity and consistency of RAID 5 and RAID 6 drive data.

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Network Defender	Auto black list
	Trusted list
	Black/White list
	Supports IP/IP range/geolocation
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
	CD ROM Drive/DVD ROM Drive/Blu-Ray ROM
	Featured Apps
Antivirus	Scheduled Scans
	Automatic Virus Definition Updates
	Quarantine Infected Files
ASUSTOR Portal(HDMI Local Output)6	Supports Output for 4 Channels of Megapixel IP Camera Video Feeds
	Support Chrome / Chromium browsers.
	Downloads from Chrome/Chromium Automatically Saved to the NAS
	Power Control Settings: Power on, Sleep, Restart and Wake via Remote
	Customizable ASUSTOR Portal Desktop Wallpaper
	Add Shortcuts to Favorite Websites
	Increased TV Compatibility via Overscan and Resolution Settings
	Max. Resolution:
	ASUSTOR Portal comes preloaded with Netflix and Youtube. Users can install the supplementary URL-Pack to get access to even more popular video streaming sites such as Plex, Vimeo and Youku.
	After installing URL-Pack-Social, users will be able to choose between social media sites such as Facebook, Google+, Hangouts, Pinterest, Twitter, LinkedIn, WhatsApp and Instagram.
VirtualBox	Virtual Machines are Able to run the Following Operating Systems: Windows, Linux, Solaris, Mac OS X
	Virtual Machine Import Format: OVF
	Virtual Machine Export Format: OVF 0.9, OVF 1.0, OVF 2.0
	Virtual Machine Snapshots
	Virtual Machine HDMI Audio Output
	Physical NAS Network Port can be Designated for use by Specific Virtual Machine
Linux Center	Integrate NAS operating system with Linux
	Easy installation with just one touch
	HDMI output on command

Download Center	Supports BT(Torrent & Magnet Link), HTTP and FTP Downloads
	Torrent Search
	Choose Files Before a BT Task Starts
	Customizable Download Schedule
	Bandwidth Control
	RSS Subscription and Automatic Downloading (Broadcatching)
	ASUSTOR Download Assistant for Windows & Mac
	AiDownload for Android with Push Notification
	Smart Download Function
DataSync for Microsoft OneDrive	Each ADM account is able to individually log into a OneDrive account
	Supports file filter and bandwidth limitation
	Supported backup methods:
	Sync
	Directly upload files to OneDrive from NAS
	Directly download files from OneDrive to NAS
DropBox	Each ADM Account is Able to Individually Log in to One Dropbox Account
	Supported Backup Methods:
	Sync
	Dropbox to NAS
	NAS to Dropbox
FTP Explorer	Directory Structure View with Drag & Drop Transfers
	Task Monitor
	Stopping of Transmission Task & Resumption of Connection
	Encrypted Connections: Explicit over TLS, Implicit over TLS
	FTP Site Manager
	Bandwidth Control
	Maximum Simultaneous Transfer Control
Google Drive	Each ADM Account is Able to Individually Log in to One Google Account
	Supported Backup Methods:
	Sync
	Directly Upload Files to Google Drive from NAS
	Directly Download Files from Google Drive to NAS

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HiDrive	Support OneDrive and OneDrive Business
	Each ADM Account is Able to Individually Log in to One HiDrive Account
	Supported Backup Methods:
	Directly Upload Files to HiDrive from NAS
	Directly Download Files from HiDrive to NAS
	Supported Protocols:
	Rsync
	FTP
	FTPS
	SFTP
	Rsync + SSH
hubiC	Each ADM Account is Able to Individually Log in to One hubiC Account
	Supported Backup Methods:
	Sync
	Directly Upload Files to hubiC from NAS
	Directly Download Files from hubiC to NAS
Yandex	Each ADM Account is Able to Individually Log in to One Yandex Account
	Supported Backup Methods:
	Sync
	Directly Upload Files to Yandex from NAS
	Directly Download Files from Yandex to NAS
LooksGood	Built-in three main video library categories (Movies, TV Shows, Home Movies) and smart video sorting management
	Efficient Global Search function allows for searches by keywords followed by the execution of more detailed searches according to the Movies, TV Shows, Home Movies categories and parameters such as actors, director, year, genre, writer, and title
	Attractive poster wall and thumbnail display
	Automatic production of video poster thumbnails
	Centralized management and ability to configure order of favorites and playlist history
	System administrator can configure video library and editing permissions according to user
	Can configure access permissions to share with
	friends and family
	Multimedia conversion function
	Self-defined smart folder for video conversions
	Supports digital TV recordings via digital TV dongles
	Easy streaming with Chromecast and DLNA
	Support to watch videos in Apple TV via AiVideos tvOS version

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iTunes Server	For iTunes on Mac & Windows
	Supports AirPlay
	Supports iOS Remote Pairing
	Supported Audio Formats: AIF5, M4A (AAC & Apple Loseless), M4P, M4R, MP3, WAV5
	Supported Video Formats: M4V, MOV, MP4
	Supported Playlist Formats: M3U, WPL
Mail Server	Each ADM Account can Become an Independent Email Account
	Email Activity Monitor (Over 1 Week, 1/3/6 Months)
	Provides SMTP, IMAP and POP3 Mail Protocols
	Supports SMTP Relay and Verification
	SMTP-SSL Secure Connections
	Spam Filter and Black List Settings
	Antivirus Scanning for Emails
	Email Alias Creation and Mapping
	Monitoring of Mail Queue
	Mail Service Activity Log
	Exclusive Email Backup Mechanism
	Auto-Forwarding and Auto-Response Protocols
Photo Gallery	"Album" and "Browse" Viewing Modes
	Manage Photo Album Access Rights: Public Access, Restricted to Certain Accounts, Album Password
	Multi-level Folder Structure Support
	Supports Tagging of Photos
	Intuitive Sorting and Comprehensive Search Function
	Adjustable Photo Wall Browsing Scales
	Automatic Image Rotation
	One-click Sharing to Social Media (Facebook, Google+, Twitter, Plurk, email)
	Intuitive Drag and Drop Management
	Slideshow Viewing Mode
	Provides Comment Function for Users to Interact with Each Other.
	Supports a Wide Range of Image Formats: JPG/JPEG, GIF, PNG, BMP, TIFF, RAW
	Supports Video Playback

Surveillance Center	Up to 36 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
	Supported Browsers: Windows Internet Explorer, Microsoft Edge, Firefox, Mac Safari, Mac Firefox ESR
	Event notification supports SMS, E-mail, and mobile push notification
	Automated event action rules
	Role-based access control
	RTSP streaming server (video and audio)
	AiSecure mobile app for iOS and Android with Push notification
	ONVIF 2.4, Profile S certified
	CMS Lite supports connect up to 128 IP Cameras from 32 NAS
	Two different camera license packages are offered: single channel and 4 channels.
	Maximum IP Cam (4 Free Licenses, Additional Licenses to be Purchased)
	Minimum PC Client Requirements
	CPU: i5/i7 or above
	RAM: DDR3 4G or above
	Operating system Windows 7 and onward, Mac OS X
	Windows browsers: Internet Explorer, Microsoft Edge, Chrome, FireFox
	Mac browsers: Safari 7.0, Firefox
	Display resolution: 1280x800 pixels or higher for best user experience
	Network interface: Gigabit x1
	Independent graphics card is highly recommend
SoundsGood	Import Personal/Public Music Collection
	Personal/Public Music Collection Permission Control
	Playlist Editor
	ID3 Tag Editor
	Local Speaker Support: HDMI, USB, Audio Jack
	Supported Audio Formats for Browser: MP3, WAV, Ogg
	Supported Audio Formats for Transcoding Through Browser: AIFF, Flac
	Supported Audio Formats for Local Speaker: MP3, WAV, Ogg, AIFF, Flac
	ASUS DAC Support

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Takeasy	Download from YouTube, Vimeo, Twitch and More
	Selectable Video Type and Quality
	Automatic Downloads with YouTube or Twitch Subscriptions
	Preview Downloads in Progress
	Online Playback
UPnP Media Server	Supports PS3 and other Digital Media Player Capable Devices
	Supports On-The-Fly Transcoding for Most RAW Images and Audio(OGG, FLAC)
	Supported Image Formats: BMP, GIF, ICO, JPG, PNG, PSD, TIF, RAW Image4 (3FR, ARW, CR2, CRW, DCR, DNG, ERF, KDC, MEF, MOS, MRW, NEF, NRW, ORF, PEF, RAF, RAW, RW2, SR2, X3F)
VPN Client	Supported VPN Protocols: PPTP, OpenVPN, L2TP/IPsec
	Transmission Package Monitor
	PPTP Authentication: PAP, CHAP, MS CHAP, MS CHAP2
	PPTP Encryption: No MPPE, MPPE (40, 128 bit), Maximum MPPE (128 bit)
	OpenVPN Port Control
	OpenVPN Link Compression
VPN Server	Supported VPN Protocols: PPTP, OpenVPN, and L2TP/IPsec
	View Current Connections & Ability to Disconnect Suspicious Connections
	Comprehensive Connection Log
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
SNMP Server	Supports SNMP v1, v2c, v3 and trap
	ASUSTOR NAS MIB provided

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/AS5304T-Asus-Tower-4-bay-NAS-Drive-with-2x-2-5-GbE-Buy-p-225169.php>

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