ComX Computers
Product Specification Sheet

AS7008T

Asustor AS7008T i3 3.5 GHz Dual-Core 8-Bay Network Attached Drive

Product Overview

Asustor AS7008T 8-Bay NAS, Intel i3 3.5 GHz Dual-Core, 2GB DDR3, GbE x 2, HDMI, SPDIF, PCI-E (10GbE ready), USB 3.0 & SATA, LCD Panel, System Sleep Mode



Specifications

Overview:

The AS7008T offers comprehensive backup solutions and stunning high definition multimedia processing in a high performance package that supercharges your NAS experience.

Features:

A Surge in Data Transfer Performance
ADM 2.3 supports SMB 2.0 which reduces the burden of network traffic on the NAS while simultaneously providing greater data transfer capacity.In the ASUSTOR testing environment, SMB 2.0 was found to increase Windows networking performance by 30%-50%*. SMB 2.0 also significantly increases the number of concurrent Windows client connections and simultaneously open files, making ADM 2.3 even more suitable for large-scale Microsoft network environments.

Advanced File Permissions Management - Windows ACL
For IT professionals, file permissions configuration is a very important topic, especially in enterprise environments. Because the native Linux system file permission mechanisms are different than those in Windows, in the past, IT professionals had to create a separate set of permissions for files stored on NAS servers. This also limited the number of permission configuration options that were available to them. In order to help IT professionals simply their work, ASUSTOR has comprehensively integrated Windows ACL into ADM. Windows ACL provides a set of 13 different permissions settings, allowing administrators to configure permissions for individual files and folders that can be applied to different groups and users. Windows ACL permissions can be configured from within ADM's File Explorer or Microsoft Windows Explorer allowing administrators to easily manage permissions using familiar methods.

Optimized Cooling Design
When there is a high load on the NAS, the CPU will begin to heat up, affecting the stability of the system. A common way of dealing with this is to lower the CPU frequency which will then cause the temperature to decrease. However, this will also lower the overall performance of the system. ASUSTOR's 70 Series devices utilize fans with wide speed ranges combined with a smart speed control mechanism that allows the CPU to maintain a controlled operating temperature even under high loads.

Under most circumstances the fans will operate at a low speed, conserving energy. When the system load and temperature increases, the fans will automatically increase their speed to cool the CPU without it having to lower its frequency. This allows the NAS to maintain stability and high performance even under high loads.

Extreme Multimedia Playback
No matter if it's 4K or 10bit, XBMC 13 paired with the Intel Core i3 dual-core processor's powerful built-in graphics engine gives you the ability to play any video files with ease. Get ready to enjoy brilliant and flawless images on ultra high resolution monitors. Additionally, you can also further add a surround sound amplifier to create an unprecedented high definition multi-channel listening experience. Imagine watching your favorite racing movie and being immersed in the roar of the engines. Feel the thrill and the sense of speed as you listen to the sounds of cars whizzing by. Prepare for an unparalleled entertainment experience that will have you on the edge of your seat.

Secure Disk Tray Lock Design
In order to help users avoid accidentally pushing disk tray buttons and releasing hard disks during operation, ASUSTOR has added a new lock mechanism to its hard disk trays. The lock's flat-head design ensures that users will not need any special keys or tools to unlock it, only a simple flat-head screw driver. The new disks trays can be used with all ASUSTOR NAS devices, providing an additional layer of security for applications requiring the frequent swapping of hard disks (e.g., MyArchive).

We've got it Ready: 4K Ultra High Definition
ASUSTOR Portal offers complete support for 4K ultra high definition output. With 4K ultra high definition, the desktop background and icons appear clearer and sharper giving you a luxurious and immersive visual experience.

Create a Stable, Reliable and High Quality Surveillance System
The powerful 70 Series devices provide you with stress free reliability when installing a surveillance system in your home or office environment. Installing the Surveillance Center App from App Central instantly turns your NAS into 24/7, high definition surveillance system. Surveillance Center provides comprehensive cross-platform support, allowing both Windows and Mac users to use familiar web browsers to access their surveillance feeds. Furthermore, ASUSTOR also offers the free AiSecure mobile app that gives users access to all their surveillance feeds while on the go. AiSecure also provides the ability to receive instant push notifications from Surveillance Center, allowing users to keep up with the latest developments. No matter if you need to protect individual assets, loved ones or your business, the powerful 70 Series devices are your optimal choice when creating a comprehensive surveillance system.

Specifications:

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Specifications	
Product Code	AS7008T
Hardware & Packaging	

Hardware Specifications	CPU: Intel Core i3 3.5GHz Dual-Core Processor
	AES-NI hardware encryption engine integrated
	Hardware transcoding engine supported format: H.264 (AVC), MPEG-4 Part 2, MPEG-2, VC-1
	Memory: 2GB SO-DIMM DDR3 (Expandable. Max 16GB)
	HDD: 2.5" / 3.5" SATA II/ III or SSD x 8
	Maximum Internal Raw Capacity: 64 TB (8 TB HDD X 8, Capacity may vary by RAID types)
	Supports Hot Swappable Drives
	Expansion: USB 3.0 x 3, USB2.0 x 2, eSATA x 2
	Network: Gigabit Ethernet x 2
	PCIe Expansion Slots: for optional 10GbE card
	LCD Panel
	Output: HDMI 1.4a x 1
	System Fan: 120mm x 2
	Infrared Receiver
	Audio Output: S/PDIF
	Input Power Voltage: 100V to 240V AC
	Certification: FCC, CE, VCCI, BSMI, C-TICK
Operation	Power Consumption:
	80.3W (Operation)
	43.7W (Disk Hibernation)
	1.97W (Sleep Mode)
	Noise Level: 27.6dB (HDD idle)
	Operation Temperature: 5 degreesC~35 degreesC (40 degreesF~95 degreesF)
	Humidity: 5% to 95% RH
ASUSTOR Hightlight	System Migration
	Cloud Connect
	Dr.ASUSTOR
	2-way Backup
	Task Monitor
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: 215.5(H) x 293(W) x 230(D) mm
	Weight: 7.2 kg / 15.87 lb
Software & Features	

Operating System	ADM 2.6 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 Languages	Deutsch, English, Français, Italiano, Nederlands, Ceská, Polski, Svenska, Dansk, Norsk, Suomi, Português, Türkçe, Español, Magyar
Supported Browsers	Internet Explore 11 Onwards
	FireFox
	Chrome
	Safari
	Microsoft Edge
Virtualization	VMware ready
	Citrix ready
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
File System	Internal Disk: EXT4
	External Disk: FAT32, NTFS, EXT3, EXT4, HFS+
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
MyArchive	Insert Hard Disk & Immediately Access Files
	Transfer or Exchange Terabytes of Data via the Internal Hot-Swap SATA Interface
	Up to 2 Bays Reserved for MyArchive Docking Purposes
iSCSI Read/Write (5GB file, 1GbE x 1)	Maximum Targets: 256
	Maximum LUNs: 512
	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, Imageand 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
	Cloud Connect
	Wireless Network[3]
	DDNS and EZ-Router
	Supports Wake-on-LAN (WOL)
Backup Solutions	Rsync (Remote Sync) Backup
	Cloud Backup
	FTP Backup
	External Backup
	Internal Backup Using Internal High Speed SATA's 6GB Bandwidth to Back up to MyArchive/Volume
	One Touch Backup
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: 16384
	Maximum Number of Groups: 512
	Maximum Number of Shared Folders: 512
	Maximum Number of Concurrent Connections: 2048
	Supports Windows Active Directory

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
Security	AES 256-Bit Folder 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: AS70/61/62/31/32/10 Series
Network Defender	Auto black list
	Trusted list
	Black/White list
	Supports IP/IP range/geolocation
External Devices	Supports USB/eSATA3 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)	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: 1080p(HD)/2160p(4k)
	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
XBMC / KODI	Kodi 14.2 Onwards
	Play All Media Content Stored on NAS
	Video Output via HDMI
	TV Shows, Movies, Apps and More
	ASUSTOR Easy Selectable Shared Folder
	AiRemote Mobile App for iOS & Android
	Supports SBS 3D Playback (Side By Side)
	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
	Customizable Download Schedule
	Bandwidth Control
	RSS Subscription and Automatic Downloading (Broadcatching)
	ASUSTOR Download Assistant for Windows & Mac
	AiDownload for iOS & 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

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
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
HiDrive	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

Transcoding Capabilities	Currently only available for Windows Edge / Chrome / Firefox and Mac Safari. Installation of the VLC media player browser plug-in is required.
	Supports the use of DVB-T/DTMB digital TV dongles to stream and record scheduled digital TV programs.
	Only certain countries and territories support DVB-T. Please click on the following link to learn more about the regions supporting DVB-T. (Please see thecompatibility list for more information on compatible DVB-T/DTMB digital TV dongles)
	Supports multiple TV tuners. A single TV tuner can only stream or record from one channel at a time.
	Playback of High-Definition Video Files
	Supports External Subtitles and Multiple Audio Channels
	Supports the Browsing of Photos
	Recently Added, Recently Watched and Favorite Browsing Categories
	Supports Browsing of Electronic Program Guides
	Edit and Manage Recording Tasks
	Configure Recording Tasks: Time, Length and Recording Frequency
	No Need for an EPG, Just Select a Channel and Time to Begin Recording
	Recording Task Log
	Background conversions (mp4)
	A variety of conversion resolution options: 240p, 360p, 480p, 720p, 1080p
	Smart Folder automatically adds conversion tasks
	Supports smart converting
	Supports scheduled conversion tasks
iTunes Server	For iTunes on Mac & Windows
	Supports AirPlay
	Supports iOS Remote Pairing
	Supported Audio Formats: AIF, M4A (AAC & Apple Loseless), M4P, M4R, MP3, WAV
	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 24channels in 720p on single live view display(4 Free Channels)
	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, Firefox, Mac Safari, Mac Firefox
	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
	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: Firefox 32-bit, IE11 32-bit onwards (excluding Microsoft Edge)
	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
Takeasy	Download from YouTube, Vimeo, YouKu, Tudou and More
	Selectable the Video Type and Quality
	Automatic Downloads with YouTube 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 Image (3FR, ARW, CR2, CRW, DCR, DNG, ERF, KDC, MEF, MOS, MRW, NEF, NRW, ORF, PEF, RAF, RAW, RW2, SR2, X3F)
	Supported Audio Formats: 3GP, AAC, AC3, AIFC, AIFF, AMR, APE, AU, AWB, FLAC1, M4A, M4R, MP2, MP3, OGG Vorbis1, PCM, WAV, WMA
	Supported Video Formats: 3GP, 3G2, ASF, AVI, DAT, FLV, ISO, M2T, M2V, M2TS, M4V, MKV, MPv4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, RMVB, VDR, MPE
VPN Client	Supported VPN Protocols: PPTP, OpenVPN
	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	Supports PPTP and OpenVPN Protocols
	View Current Connections & Ability to Disconnect Suspicious Connections
	Comprehensive Connection Log
SNMP Server	Supports SNMP v1, v2c, v3 and trap
	ASUSTOR NAS MIB provided
Syslog server	Supports standard syslog protocol
	Graphical log monitoring by time and device
	Supports TCP and UDP
	Auto log archiving
	User-defined email notification

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/AS7008T-Asustor-AS7008T-i3-3-5-GHz-Dual-Core-8-Bay-Network-Attached-Drive-p-148759.php

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