N4310

Best-in-Class Value

iSCSI Storage Supported

Addressing the evolving needs of professionals seeking both efficiency and versatility in their NAS, the N4310 utilizes Hybrid Mode Storage for resource management, meaning support for both file (NFS or SMB/CIFS) and block-level (iSCSI) storage.

DDNS Easy Connection

Have easy access to your NAS via Dynamic DNS (DDNS), this allows users to allocate and access their NAS files via the internet remotely. Since IP digits are often difficult to remember, domain names are utilized to make NAS management much more convenient. When the IP address is changed, the DDNS server will automatically adjust the IP address to make sure that remote access is always available. In short, DDNS provides convenient remote internet access to your Thecus® N4310 by utilizing domain names instead of IP digits.

PLEX Media Center

The Plex Media Server is both the heart and brains for any digital media system. The free server is a module available on the Thecus® App Center that allows you to set up and manage your media. With the Plex Media Server installed on your Thecus® NAS, various devices on your network (such as your Xbox 360 and mobile devices) can connect to and stream your local and online media.

Data Burn CD/DVD/Blu-Ray

NAS data can now be burned directly to CD, DVD, and Blu-ray discs with Data Burn, this hassle-free module makes burning data to a disk effortless. In addition, burning ISO image file is also supported. Whether you're managing audio, media or essential files; Data Burn copies information fast while significantly reducing waiting time. The process of burning file to disk is now easy and smooth with Data Burn module.

CPU Offload Hardware XOR Engine

The N4310 is equipped with a CPU offload hardware engine, allowing for high performance and speed within a RAID environment (100MB/s read speed and 75MB/s write speed). The hardware XOR engine manages this by handling parity calculations and freeing up the system processor.

AES Data Encryption

AES Data Encryption provides flawless security for your RAID volume when dealing with sensitive data. This 128-bit security solution is implemented with improved efficiency thanks to hardware-integration, and promises that your information will remain secure even in the event of data interception or hardware theft.

Transmission BitTorrent Client

Included in ThecusOS™ 6 is Transmission, a powerful BitTorrent client. Easily add torrent seed files to Transmission and sit back and relax as your NAS does the rest, independent of your computer. Once downloaded, your files will be automatically stored in your NAS P2P folder where you'll be able to access them across your network or through the internet. Set and forget torrenting that's accessible anywhere, that's the N4310's native BitTorrent support.

Data Guard Total Backup Solution

Data Guard backup solution is the ultimate software as it provides both local and remote parts. Currently, data is backed up across RAID volumes, external USB drives, and eSATA. In addition, Data Guard uses innovative technology to sync data across the network to other NAS and servers. More importantly, Thecus® Data Guard is the total backup solution which makes managing NAS user-friendly and convenient.

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Hardware Platform

Processor
· AMCC APM86491RDK 1GHz SoC
System Memory
· 1GB DDR3
LAN Interface (PCI-e)
· RJ-45x1 : 10/100/1000 BASE-TX Auto MDI/MDI-X
· WOL supported
USB Interface
· USB 3.0 host port x2 (back x2)
Disk Interface
· 4 x Internal SATA connections
Power Supply
· 60W external power adapter
System Clock
· Battery-backed-up system clock
Staggered Spin-Up
· Supported

Buttons
· Power button
· USB copy button
· Reset button
Environment
· Temperature: 5℃ to 40℃
· Humidity: 0 ~ 80 % R.H. (Non-condensing)
Chassis
· 4-bay tower
Dimensions (HxWxD)
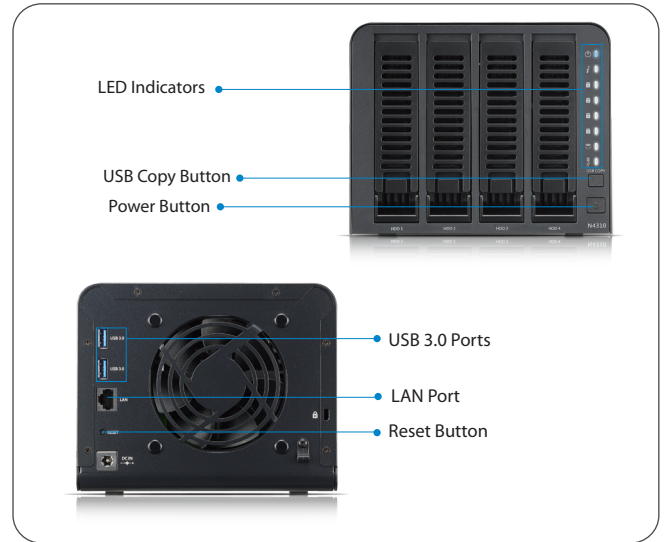· 135 x 170 x 217 (mm)/ 5.33 x 6.69 x 8.54(in)
Weight
· 3 (kg)/6.61(lb)
Certificates
· CE/FCC/C-Tick/VCCI/BSMI
· RoHS
· WEEE

LED Indicators
USB Copy Button
Power Button

USB 3.0 Ports
LAN Port
Reset Button

Software Functions

RAID
· RAID Modes: RAID 0, 1, 5, 6, 10 and JBOD
· Auto-rebuild: Supported
· Hot-swap: Supported
· Hot Spare: Supported
· RAID Level: Migration Supported
· RAID Expansion: Supported
· RAID Volume Encryption: AES 128-bit with hardware integration
Disk
· Bad Block Scanning: Supported
· SMART Info: Supported
· SMART Test: Supported
· Disk Roaming:
   Supports volume-based roaming to other N4310
Network
· Configuration: Fixed IP address, dynamic IP address
· Transport Protocols: TCP/IP, AppleTalk
· File Protocols: SMB/CIFS, HTTP/HTTPS, FTP, AFP
· TCP/IP: IPV6 & IPV4
System Status
· Syslog Management:
   1. Send syslog to assigned location
   2. Act as syslog server to receive log info from other systems
Data Access
· Client OS Support :
   Windows XP and after
   Windows Server 2003 and after
   Mac OS X
   Linux
· FTP: Built-in FTP server with bandwidth control
· Secure FTP:
   Built-in secure FTP server with bandwidth control
· TFTP:
   Users can download and upload files with TFTP programs
· Download Manager:
   BitTorrent client (via Transmission)
   NZB client (via NZB Module)
· WebDAV/WebDAV SSL : Supported
· Printer Server (IPP):
   1. Supports USB printers
   2. Supports a wide range of IPP printers

   3. Client can manage print tasks (list/delete) via web user interface
Data Backup
· Client Incremental Data Backup: Thecus Backup Utility
· Data Burn:
   1. Create files to ISO image and burn to optical disc
   2. Create files to ISO image
   3. Read ISO image from optical disc and write to NAS
· Mac OS X Time Machine: Supported
· Data Guard: Remote Backup/Local Backup
Block Level Data Access
· iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thecus NAS targets
Power Management
· Scheduled Power On/Off: Supported
Volume Management
· Multiple RAID Supported
· File System: EXT4
Multimedia Support
· iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
· Piczza!™ Photo Server (via module):
   1. Supports GIF, JPG (JPEG), BMP, PNG
   2. Support EXIF display
   3. Support slide show
· Media Server:
   Supports uPnP AV streaming protocol(via Module)
User Authentication
· Local User: Supports built-in user accounts
· Local Group: Supports built-in user groups
· Windows ADS: Supported
· LDAP: Supported
File System
· Type: Journaling File System
· Language Support: Unicode Support
· Authorization (ACL): "Read", "write", or "deny" privileges to individual users or groups in folders and sub-folders
· User Quota: Supported
Administration
· User Interface: Web-based user interface supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish and Portuguese
· Utility Program (Intelligent NAS):

   Supports Windows XP and above, Windows Server 2003 and above, and Mac OS X
· Email Notifications: Sends system messages via email to the system administrator
· DDNS: Support one free DDNS registration (ex. xxx.thecuslink.com)
· UPnP and Port forwarding:
   Support auto setting in Intranet environment
· Intelligent NAS: Go through defined URL for auto install (install.thecus.com)
· SNMP Trap: Sends system information trap out
Cloud Service
· Amazon S3: Built-in support
Mobile Applications (iOS/Android)
· T-Dashboard™: Mobile monitoring and administration
· T-OnTheGo™: Upload, download and stream multimedia
Others
· Recycling Bin: Supported
· Web Disk: Supported
· ISO Mount: Supported
· User Access Log: Supported
· UPS: Supported through USB interface

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*Design and specifications are subject to change without prior notice.

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