



N4510U

No.1 Worldwide 1U Rackmount NAS



Acronis



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.



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.



The next generation of connectivity is here with speeds 10x faster than USB 2.0. Whether connecting digital cameras and smart phones, backing up large external hard drives, or extending the capacity of your NAS, USB 3.0 will make sure it's done in no time at up to 5 Gbit/s. Backwards compatibility adds the connectivity of a world full of USB 2.0 and USB 1.1 devices to get the best combination of speed and universal access.



Make your NAS into the ultimate multimedia hub! The N4510U's HDMI output allows you to connect your NAS directly to your TV for device management.



The private and public clouds meet with Thecus' new DropBox, Amazon S3 and ElephantDrive cloud backup functionality! Guard your data with RAID at home and an additional level of protection in the Cloud. Just drag and drop files into the folder on your NAS and access them on any computer or mobile device with DropBox, Amazon S3 or ElephantDrive.



When it comes to data management, Thecus NAS truly let you have it your way. Create multiple RAID volumes each supporting different RAID modes including RAID 0, 1, 5, 6, 10 and JBOD for your own balance of performance and data protection. Should a hard drive malfunction occur, changing one is simple thanks to online RAID migration and expansion, hot spare, and auto rebuild.



Get the most out of your storage space with the extreme speed of iSCSI and the efficiency of iSCSI thin provisioning. Connect through iSCSI for the fastest data transfer speeds available and make wasted disk space a thing of the past with thin provisioning's flexible storage functionality.

Add-on apps



Thecus Dashboard



ThecusShare



T-OnTheGo



Photo Server



Download Manager



Media Server



Transmission (BT Client)



MySQL



Web Server



USB/eSATA Backup



RAID Volume Replication



Simple Surveillance



NZBGet

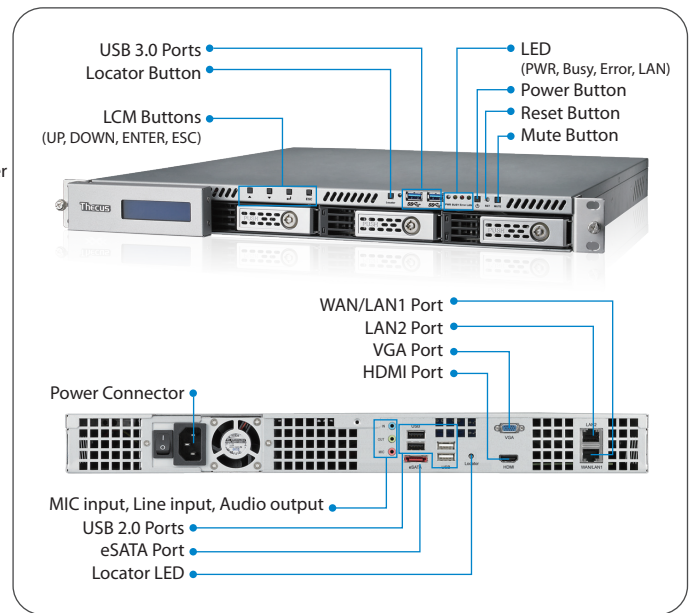
N4510U

Specifications

Hardware Platform

- Processor**
- Intel® Atom™ Processor
- System Memory**
- 2GB DDR3
- LAN Interface**
- RJ-45x2: 10/100/1000 BASE-TX Auto MDI/MDI-X
 - WOL supported
- USB Interface**
- USB 2.0 host port x4 (back x4)
 - USB 3.0 host port x2 (front x2)
- LCM Module**
- LCM display
 - 4 buttons (ENTER, ESC, UP, DOWN)
- SATA DOM**
- 1GB
- HDMI Output**
- HDMI port (back x1)
- VGA Output**
- VGA port (back x1)
- Audio**
- MIC input, Line input, Audio output
- Disk Interface**
- 4 x SATA for internal
 - 1 x eSATA for external
- Power Supply**
- 200W Power Supply (N4510U-S)
 - 250W Redundant power supply (N4510U-R)

- Thermal/Fan control**
- Thermal sensor on processor temperature
 - System FAN speed controlled by temperature
- System Clock**
- Battery-backed up system clock
- Power Management**
- Auto power on after shutdown due to power loss
- Buzzer**
- Adjustable frequency alarm
- Buttons**
- Power button
 - LCM button
 - Locator button
 - Mute button while system alert
 - System reset button (Hardware)
- Environment**
- Temperature: 5°C to 40°C
 - Humidity: 0 ~ 80 % R.H. (Non-condensing)
- Chassis**
- 1U Rack mount
- Dimensions (HxWxD)**
- 43 x 433 x 555 (mm)
- Certificates**
- CE/FCC/C-Tick/VCCI/BSMI
 - RoHS
 - WEEE
 - VMware, Citrix



Software Functions

- RAID**
- RAID Modes: RAID 0, 1, 5, 6, 10 and JBOD
 - Auto-rebuild: Supported
 - Hot-swap: Supported
 - Hot Spare: Supported
 - Online RAID Migration: Supported
 - Online RAID Expansion: Supported
 - RAID Volume Encryption: AES256bit
- Disk**
- Power Management: Available spin-down while idle setting
 - Bad Block Scan: Supported
 - SMART Info: Supported
 - SMART Test: Supported
 - Disk Roaming: Supports volume-based roaming to other Thecus NAS
- Network**
- Configuration: Fixed IP address, dynamic IP address
 - Transport Protocols: TCP/IP/AppleTalk
 - File Protocols: SMB/CIFS, HTTP/HTTPS, FTP, NFS v4, AFP
 - Link Aggregation: Load balance, Failover, 802.3ad, Balance-XOR, Balance-TLB, Balance-ALB
 - TCP/IP: IPV6 & IPV4
- Data Access**
- Client OS Support: Windows 2000/XP/2003/Vista/7, UNIX/Linux, Mac OS X
 - 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: BT download (via Transmission module), HTTP/FTP/eMule (via DLM module), NZB download (via NZB module)
 - Printer Server (IPP):
 - Supports USB printers
 - Supports a wide range of IPP printers
 - Client can manage print tasks (list/delete) via web user interface

- Data Backup**
- Client Incremental Data Backup: Acronis True Image (OEM version)
 - Client System Disaster Recovery: Acronis True Image (OEM version)
 - Client Side Backup Software: Thecus Backup Utility (Windows/Mac OS X)
 - Rsync Backup: Rsync replicates data between two systems (via Rsync module)
 - DVD Backup: Supported
 - Mac OS X Time Machine: Supported
 - Data Guard: Remote Backup/Local Backup/Cloud Backup
- Block Level Access**
- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thecus NAS targets
 - iSCSI Thin Provisioning: Supported
 - iSCSI VAAI: Supported
 - MPIO: Supported
 - MCS: Supported
 - Clustering: Supported
 - SCSI3 persistent group reservation: Supported
- Power Management**
- Scheduled Power On/Off: Supported
- Volume Management**
- Multiple RAID: Supported
 - Multiple File System Selectable: EXT3/EXT4/XFS/Btrfs
- Multimedia Support**
- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
 - Piczza!™ Web Server (via module):
 - Supports GIF, JPG (JPEG), BMP and PNG
 - Supports EXIF display
 - Supports slide show
 - Media Server: Supports uPnP AV streaming protocol (via Twonkymedia module)
- User Authentication**
- Local User: Supports built-in user accounts
 - Local Group: Supports built-in user groups
 - Windows ADS: 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
 - Snapshot: 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: MS Windows Setup Wizard, Supports Windows 7/2000/XP/2003/Vista, Mac OS X Setup Wizard
 - Email Notifications: Sends system messages via email to the system administrator
 - SNMP Trap: System information trap out
- Mobile Applications (iOS/Android)**
- Thecus Dashboard: Mobile monitoring and administration (via module)
 - ThecusShare™: Uploading, downloading, and streaming multimedia
 - T-OnTheGo™ (iOS): Manage files and folders on Thecus NAS, playback audio and video media, and view photos and documents (via module)
- Others**
- Recycled Bin: Supported
 - Web Disk: Supported (via module)
 - Web Server: Supported (via module)
 - ISO Mount: Supported
 - User/System Module: Supported
 - IP Cam Surveillance: Supports up to 5 IP cameras (via module)
 - Auto Module Installation: Thecus's module server automatically provides the latest modules and updates through the user interface
 - Cloud Backup: Dropbox, ElephantDrive, Amazon S3, Acronis (via module)
 - Local Display: X-Window via HDMI output
 - Virus Scan: Supports

Email: sales@thecus.com
 Official Website: www.thecus.com
 For Windows NAS: wss.thecus.com
 Reseller Center: www.thecus.com/reseller_index.php
 NAS App Center: www.thecus.com/sp_app_center.php

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Retail/Reseller Information