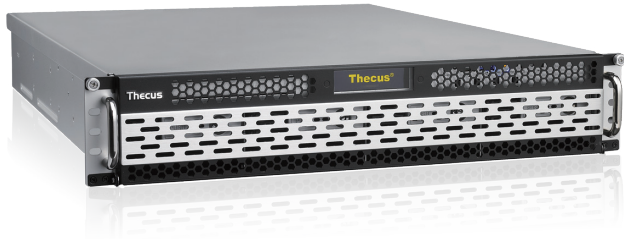


N8900PRO

High Performance, Full-Featured
2U Rackmount NAS Server



Acronis



High Availability (HA)

For the first time, your data is completely free of delays in access. Regardless of the situation, HA actively keeps your data on two separate, identical NAS. If one needs maintenance, the other will dutifully rise to the occasion without as much as a blip in service. Whether rain, shine, or Armageddon, your data will always be there.



10GbE Ready

High-end data centers often need a level of speed that today's average Internet cannot provide. This Thecus NAS is 10Gb Ethernet ready to satisfy the toughest needs of today and tomorrow.



Daisy Chaining

With daisy chaining, users now have the ability to cost effectively increase their storage volume while maintaining fast transfers. To set up a daisy chain, one master NAS unit is installed as a controller with up to four DAS linked as slaves. SAS cables are then used to link the units together in order to ensure rapid speeds. The ability to reach tremendous capacities while saving nearly 30% on hardware costs (versus traditional storage architecture) is something truly groundbreaking in the industry.



7 modes of link aggregation supported

Link aggregation can sustain multiple network connections and provide redundancy in case one of the links fails. Thecus NAS supports 7 modes which provide Load Balance, Failover, 802.3ad, Balance-XOR, Balance-TLB, and Balance-ALB, Broadcast.



Disk Clone and Wipe

Disk Clone allows users to copy the entire contents of a disk to one or many other disks while Disk Wipe allows for permanent volume data destruction.

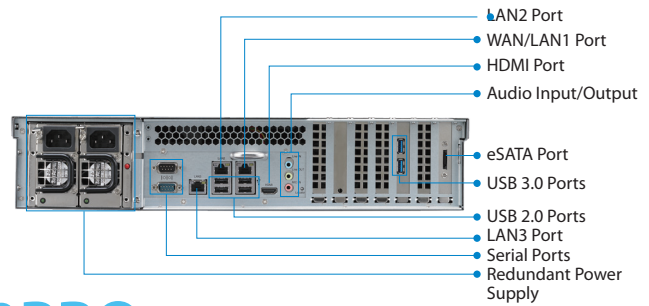
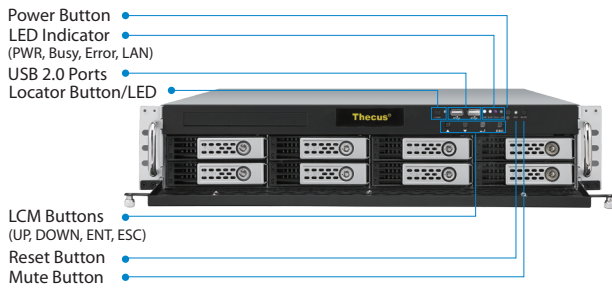


Bundled with FREE Intel Security

Thecus' innovative hardware helps prevent failures. But sometimes you have to protect the NAS against itself. Adding an antivirus to the already comprehensive software bundle will provide the necessary software protection by scanning the files on your NAS and defending it against possible threats. McAfee is the world's largest dedicated security technology company and shares Thecus' spirit of dedication and quality. By establishing a strong partnership with them, Thecus will allow users the benefit of Intel Security powerful software on their NAS entirely for free.

Thecus®

Empowering Professionals



N8900PRO

Hardware Platform

Processor

- Intel®Xeon E3-1275 Processor @ 3.4GHz

System Memory

- 8GB DDR3 SDRAM

LAN Interface (PCI-e)

- RJ-45x3: Intel 82574L 10/100/1000 BASE-TX Auto MDI/MDI-X
- WOL supported

USB Interface

- USB 2.0 host port x6 (front x2, back x4)
- USB 3.0 host port x2 (back x2)

OLED

- Displays system status and information (Multilingual)

HDMI Output

- HDMI port (back x1)

Audio

- MIC input, Line input, Audio output

Disk Interface

- 8 x SATA/SAS for internal
- 1 x eSATA for external

10GbE NIC

- Optional x3

Power Supply

- Redundant power supply 500W or more

PCI-e Slots

- 8-lane (x3), One is used by SAS HBA
- 4-lane (x1)
- 1-lane (x1) used by CU30N (USB 3.0)

Thermal/Fan Control

- Thermal sensor on processor temperature

System Fan

- Hot swappable (x2)

Buttons

- Power button (Front, shutdown controlled by user interface)
- LCM button (ENT, ESC, UP, DOWN)
- System reset button
- Locator button

RS232

- 1 (For UPS)

Environment

- Temperature: 5°C to 40°C
- Humidity: 0 ~ 80 % R.H. (Non-condensing)

Chassis

- 2U Rack mount

Dimensions (HxWxD)

- 87 x 438 x 595 (mm)

Software Functions

RAID

- RAID Modes: JBOD and RAID 0, 1, 5, 6, 10, 50, 60 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 on idle setting
- Bad Block Scanning: 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
- IP sharing mode: Can be enable/disable
- 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, Broadcast
- TCP/IP: IPv6 & IPv4
- DDNS: Supported
- SSH: Supported
- UPnP: Supported
- UPnP Port forwarding: Supported
- Bonjour: Supported
- VPN Server: Supported
- vLan: Supported

System status

- System Monitor: Monitoring CPU, memory, network utilization and protocols access user count
- 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
 - 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)
 - NZB download (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:
 - Acronis True Image (OEM version)
 - Client System Disaster Recovery: Acronis True Image (OEM version)
- 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/ Folder and iSCSI volume based
- Snapshot: Supported (Btrfs)

Block Level Access

- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thecus NAS targets
- iSCSI Thin Provisioning: Configurable to virtual size 16TB
- 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 WAA
- Piczza™ Web Server (via module):
 1. Supports GIF, JPG (JPEG), BMP and PNG
 2. Supports EXIF display
 3. Supports slide show
- Media Server: Supports uPnP AV streaming protocol

User Authentication

- Local User: Supports built-in user accounts
- Local Group: Supports built-in user groups
- Windows ADS: Supported
- LDAP: Supported
- Access Guard: Supports Black & White list/IP Filter

Cloud Backup

- DropBox: Supported (via module)
- ElephantDriver: Supported (via module)
- Amazon S3: 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

- Folder Quota: Supported (Btrfs only)

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 2000/XP/2003/Vista/7
 - Mac OS X Setup Wizard
- Email Notifications: Sends system messages via email to the system administrator
- Thecus ID/DDNS: Supports One free DDNS registration (e.g. xxx.thecuslink.com)
- SNMP Trap: System information trap out

Others

- Dual DOM Supported
- Recycling Bin: Supported
- Web Server: Supported (via module)
- ISO Mount: Supported
- User Module: Supported
- IP Cam Surveillance:
 - Supports up to 10 IP cameras (via module)
 - HA (High Availability): Supported
- Mobile Applications (iOS/Android)
 - T-Dashboard: Mobile monitoring and administration (via module)
 - T-OnTheGo™: Upload, download and stream multimedia

Data Security

- Virus Scan: Supports Intel Security® (via module)

Capacity Expansion

- Stackable: Can extend for 5 additional iSCSI volumes from other Thecus NAS
- Daisy Chain: Allowed to daisy chain to an additional 4 sets of Thecus D16000

System Redundancy

- High Availability: Supports system level redundancy

Others

- Recycle Bin: Supported
- Web Disk: Supported (via module)
- Web Server: Supported (via module)
- ISO Mount: Supported
- User Access Log: Supported
- User / System Module: Supported
- IP Cam Surveillance: Supports up to 10 IP cameras (via module)
- Auto Module Installation: Thecus's module server automatically provides the latest modules and updates through the user interface.
- UPS: Supported through USB interface
- Disk Wipe: Supported
- Disk Clone: Supported
- Local Display: X-Window via HDMI output

Technical Support:

In Dutch, French, and German: esupport.thecus-eu.com

In English and Chinese and all other area:

esupport.thecus.com

Email: sales@thecus.com

Reseller Center: www.thecus.com/reseller_index.php

NAS App Center: www.thecus.com/sp_app_center.php

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RSS: www.thecus.com/rss_news.php

YouTube: www.youtube.com/thecusstorage

Blog: blog.thecus.com

Retail/Reseller Information

