Thecus®
Subsidiary of Ennoconn

- intel SKYLAKE
- DDR4 ECC RAM Up to 64GB
- 12TB HARD DRIVE SUPPORTED
- SCALE OUT ARCHITECTURE

N8910
Extremely Reliable Enterprise Storage
at the Forefront of Industry 4.0

vmware READY · CiTRIX ready · CERTIFIED FOR Windows Server 2008 R2

CE · FC · D33B79 · N11360 · N1580 · VCI · EAC · RoHS COMPLIANT

Active

Sync

Heartbeat

Sync

Standby

HDD · NAS

Dynamic Expansion

Flexible on Capacity Expansion

Scale Out Capable

Acronis

Real-time Remote Replication
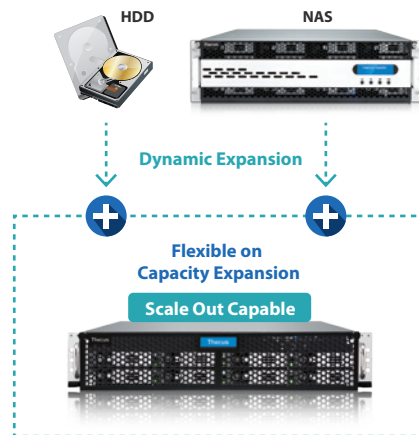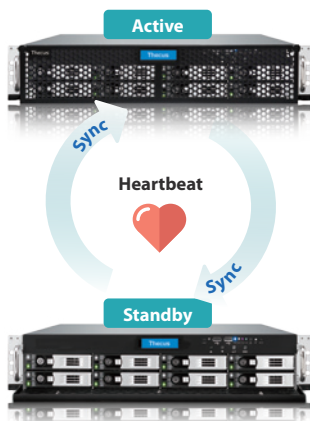
Rapid Performance

HA System Redundancy
Thecus System Failover
7 Modes of Link Aggregation
SATA III Supported

Great Scalability for Big Data

iSCSI Thin Provisioning
Advanced Virtualization with VMWare Certified
Scale Out: Dynamic Volume Expansion
Stackable for 5 Additional iSCSI Volumes

Reliable Data Protection

Bundled with Free Acronis & Antivirus
Real-time Remote Replication
Secure Remote Access with VPN
Dropbox/Amazon S3/ElephantDrive

Surveillance · **AD Server** · **RAID Encryption** · **Antivirus** · **Link Aggregation** · **Backup Solution** · **VPN Server**

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www.**Thecus**.com

N8910

W: 482 mm

- Audio (5+1)
- LAN1 Port
- LAN2 Port
- VGA Output
- Redundant Power Supply
- K/B and Mouse port
- DVI Output
- HDMI Output
- Four USB 3.0 Ports
- SPDIF

H: 89 mm

- Locator Button
- Two USB 2.0 Ports
- LED Indicator
- Mute Button
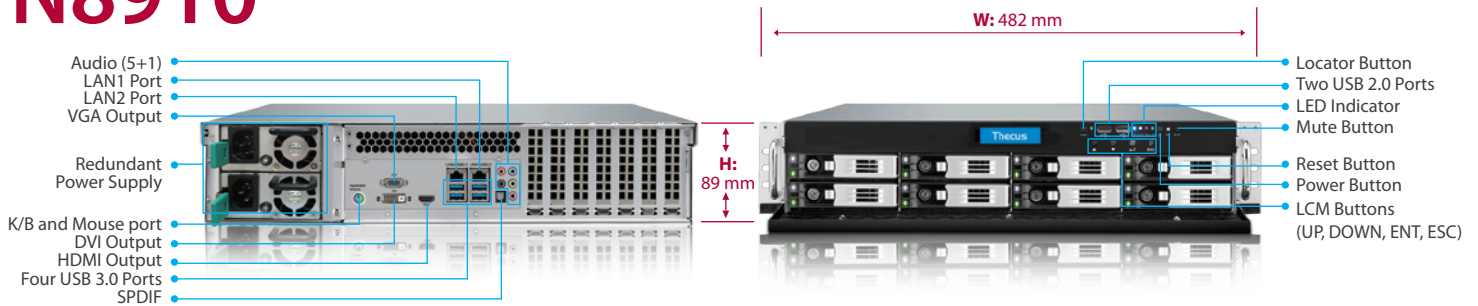- Reset Button
- Power Button
- LCM Buttons (UP, DOWN, ENT, ESC)

Thecus

Hardware Platform

Processor
- Intel® Core™ i3-6100 3.7GHz Dual-Core

System Memory
- 4GB DDR4 ECC SDRAM

Memory Expandable up to
- 64GB

LAN Interface (PCI-e)
- RJ-45x2: Auto MDI/MDI-X
- WOL supported

Available PCI-e Slots
- PCI-e x16 (x1) or PCI-e x8 (x2)
- PCI-e x4 (x1)
- PCI-e x1 (x1)

LCM
- Displays system status and information

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

VGA/DVI/HDMI Output
- Supported

Audio(5+1), SPDIF
- Supported

K/B and Mouse (PS2)
- Supported

Disk Interface
- 8 x SATA for internal, support SATA II / SATA III hard disk

Power Supply
- Redundant power supply 500W or more (80plus)

Environment
- Temperature:
  0℃ to 40℃ (Operation)
  -40℃ to 70℃ (Non-operation)
- Humidity: 0 ~ 80 % R.H. (Non-condensing)

Chassis
- 2U Rack mount

Dimensions (HxWxD)
- 89 x 482 x 649 (mm)

Weight
- 16.67(Kgs)/36.75(lb)

Certificates
- CE/FCC/C-Tick/VCCI/BSMI
- RoHS
- WEEE
- VMware, Citrix

Software Functions

RAID
- RAID Modes: RAID 0, 1, 5, 6, 10, 50, 60 and JBOD
- Auto-rebuild: Supported
- Hot-swap: Supported
- Hot Spare: Supported
- RAID Level Migration: Supported
- 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 (require OS7 64bit)
- Disk Wipe and Clone: Supported
- Disk Security: Supported

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, 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
- FTP Secure: Support explicit TLS
- 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)
- Client System Disaster Recovery:
  Acronis True Image (OEM)
- Local folder/iSCSI Backup: Supported
- Remote folder/iSCSI Backup: Supported
- High Availability: Supported
- Mac OS X Time Machine: Supported
- Snapshot: Supported (Btrfs)
- System failover: Supported

Block Level Access
- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thecus NAS targets
- iSCSI Thin Provisioning: 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: EXT4/XFS/Btrfs

Multimedia Support
- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
- 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
- Access Guard: Supports Black & White list/IP Filter

User Profile
- Photo Center: Supported
- File Center: Supported
- APP Center: Supported

Cloud Backup
- DropBox: Supported (via module)
- ElephantDrive: 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 (exclude btrfs)
- 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, Portuguese
- Utility Program:
  MS Windows Setup Wizard
  Supports Windows XP and after
  Mac OS X Setup Wizard
- Email Notifications: Sends system messages via email to the system administrator
- SNMP Trap: System information trap out
- P2P Connection:
  Mail registration to connect NAS remotely

Mobile Applications (iOS/Android)
- Thecus Connect™ (Android):
  Provides live up-to-date information of your NAS
- Thecus Wizard™:
  Offers fast NAS Setup via your phone
- Orbweb.me: Uploading, downloading, streaming multimedia and webcam via P2P connection

Data Security
- Antivirus: Supported (via module)

Capacity Expansion
- Stackable: Can extend for 5 additional iSCSI volumes from other Thecus NAS
- Scale Out: Dynamic volume expansion

Others
- Recycling Bin: Supported
- Web Server: Supported (via module)
- ISO Mount: Supported
- IP Cam Surveillance: Supported via Motion Eye
- UPS: Supported through USB interface
- Local Display: X-Window via HDMI output

Retail/Reseller Information

RoHS COMPLIANT