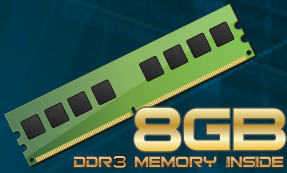
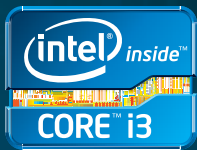




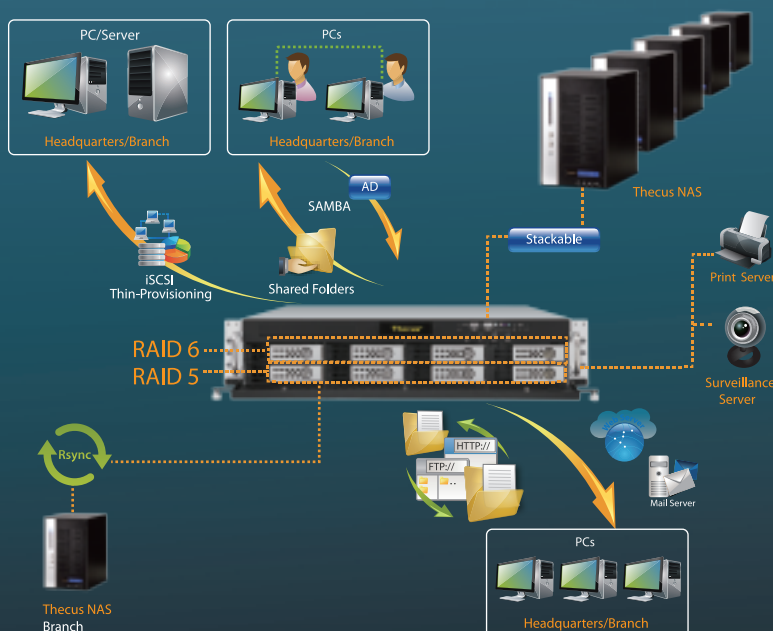
N8900

The First SMB NAS featuring 2nd Generation Intel® Core™ i3 Processor

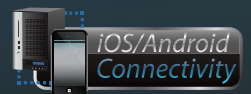


- 2nd Generation Intel® Core™ i3
- Ultra-Fast SATA III and SAS 6G
- USB 3.0 Connectivity
- HDMI Connectivity
- 10GbE Ready
- 24TB Storage for Enterprise Tasks

NAS Application



Feature Overview



Add-on apps



Thecus Dashboard



ThecusShare



Download Manager



USB Copy



Media Server



Transmission (BT Client)



Mail Server



MySQL



Web Server



USB/eSATA Backup



RAID Volume Replication



Simple Surveillance



NZBGet

N8900

Specifications

Hardware Platform

Processor

- Intel® Core™ i3-2120

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) (Type A)
- USB 3.0 host port x2 (back x2)

LED Indicator

- Power: (blue)
- System Busy: (yellow)
- System Alert: Redundant power or system fan failure (red)
- HDD 1-8 Activity/Fail (green/red)

OLED

- Displays system status and information (Multilingual)

HDMI Output

- HDMI port (Back x1)

Audio

- MIC input, Line input, Audio output

SAS/SATA controller (HBA), PCI-e (8-lane)

- LSI 2008 HBA card supports 6G SAS/SATA(x8)

Disk Interface

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

Power Supply

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

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
- CPU fan control
- System fan control

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

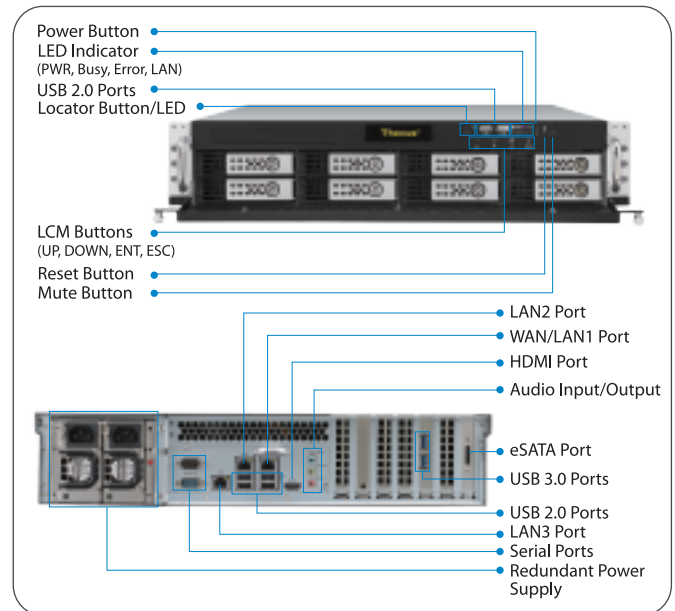
- Temperature: 5°C to 40°C
- Humidity: 0 ~ 80 % R.H. (Non-condensing)

Chassis

- 2U Rack mount

Dimensions (HxWxD)

- 87 x 438 x 595 (mm)



Software Functions

RAID

- RAID Modes: RAID 0, 1, 5, 6, 10, 50, 60 and JBOD
- Auto-rebuild: Supported
- Hot-swap: Supported
- Dedicated Hot Spare: Supported
- Global 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 Scanning: Supported
- SMART Info: Supported
- SMART Test: Supported
- Disk Roaming: Supports volume-based roaming to other N8900

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

Data Access

- Client OS Support: Windows 2000/XP/2003/Vista/7, UNIX/Linux, Mac OS 9/X
- FTP: Build-in FTP server with bandwidth control
- Secure FTP: Build-in secure FTP server with bandwidth control
- Download Manager: HTTP/FTP/BitTorrent/eMule (via 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)
- Single Volume Remote Replication: Incremental or synchronized (via Rsync module)
- USB device copy to NAS: Controlled through LCM
- Bi-directional USB copy: Supported (via module)
- MAC time machine: Supported

Block Level Access

- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thcus 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

Multimedia Support

- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
- Media Server: Support uPnP AV streaming protocol

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
- Capacity: 24TB (XFS)/16TB (EXT4)/8TB (EXT3) per volume
- 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: MS Windows Setup Wizard, Supports Windows 2000/XP/2003/Vista/7, Mac OS X Setup Wizard
- Email Notifications: Sends system messages via e-mail to the system administrator
- SNMP Trap: System information trap out

Mobile Applications (iOS/Android)

- Thcus Dashboard: Mobile monitoring and administration
- ThcusShare™: Uploading, downloading, and streaming multimedia

Others

- Dual DOM: Supported
- Recycling Bin: Supported
- Web Server: Supported (via module)
- Mail Server: Supported (via module)
- ISO mount: Supported
- User module: Supported
- IP Cam Surveillance (module): Supports up to 10 IP cameras



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

Thecus® HQ

15F, No.79, Sec. 1, Sintai 5th Rd., Sijhih Dist, New Taipei City 221, Taiwan (R.O.C.)
Email: sales@thecus.com Facebook: www.facebook.com/Thecus
Forum: forum.thecus.com Twitter: twitter.com/ThecusStorage

Thecus® U.S.A., Inc.

487 Montague Expressway, Milpitas, CA 95035
Email: support@us.thecus.com
Tech support: ussupport.thecus.com/esupport

Thecus® NL B.V.

Marinus Dammeweg 7, 5928 PW Venlo, the Netherlands
Email: thecus_nl@thecus.com
Tech support: esupport.thecus-eu.com
Support Email: support_nl@thecus.com

Thecus® China

13th Floor Room G, Investment Building, Zhongshan South Road No. 414,
Qinhuai District, Nanjing City, China
http://sc.thecus.com