



**intel**<sup>®</sup> Look Inside.<sup>™</sup>

# N5810

Powerful, Affordable  
Quad-Core NAS

**Intel Celeron J1900 CPU**

**Up to 50TB Capacity**

**4GB DDR3 Memory**

**HDMI Output**

**Acronis**

**System Redundancy:** Uninterrupted Accessibility with **Thecus System Failover**

**Optimal Performance:** Embedded with Intel<sup>®</sup> Celeron<sup>™</sup> J1900 Quad Core CPU

**Flexible Expansion:** Stackable for up to 5 additional iSCSI volumes with other Thecus NAS

**Faster Transfers:** 2 LAN Ports for Link Aggregation

**99% Virus Prevention:** Bundled with **Antivirus**

**Multiple File Systems:** EXT4/XFS/Btrfs

**Complete Client Side Protection:** Bundled with **Free Acronis** Software



File Center



Virtualization



Snapshot



NAS App Center



iSCSI



Local Display



Photo Center



VPN Server



Media Server



Download Manager iTunes Server



iTunes Server



Web Server



Mobile Access



System Failover

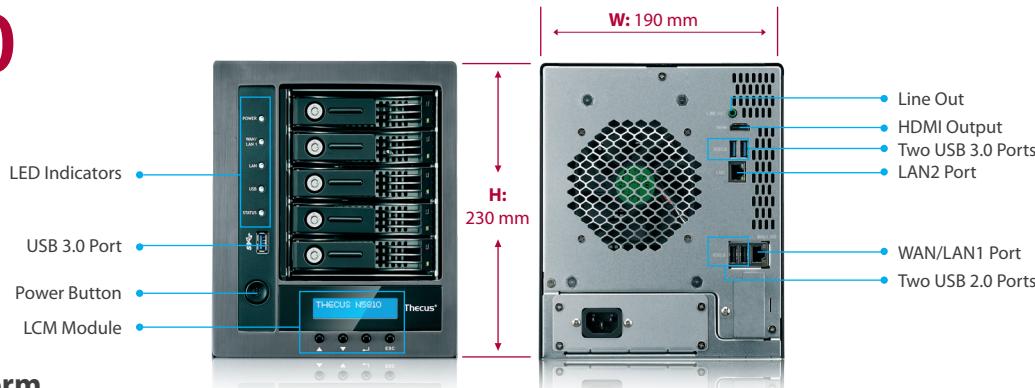


Thecus Cloud



Surveillance Center

# N5810



## Hardware Platform

### Processor

- Intel® Celeron™ J1900 (2GHz Quad-Core)

### System Memory

- 4GB DDR3

### LAN Interface

- RJ-45x2: 10/100/1000 BASE-TX Auto MDI/MDI-X
- WOL supported

### USB Interface

- USB 2.0 host port x2 (back x2)
- USB 3.0 host port x3 (front x1, back x2)

### LCM Module

- LCM display
- 4 buttons (ENTER, ESC, UP, DOWN)

### HDMI Output

- HDMI port (back x1)

### Audio

- Line output (back x1)

### Disk Interface

- 5 x SATA for internal, support SATA II / SATA III hard disk

### Power Supply

- 200W Internal Power Supply

### Thermal/Fan control

- Thermal sensor on processor temperature

### System Clock

- Battery-backed up system clock

### Power Management

- Auto power on after shutdown due to power loss

### Buttons

- Power button
- LCM button

### Buzzer

- Adjustable frequency alarm

### Environment

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

### Chassis

- 5bays Tower Metal Chassis

### Dimensions (HxWxD)

- 230 x 190 x 240 (mm) / 9.06 x 7.48 x 9.45 (in)

### Weight

- 5.09 (Kgs)

### Certificates

- CE/FCC/C-Tick/VCCI/BSMI
- RoHS
- WEEE

## 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: 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 (Require ThecusOS 7 64 bit)
- 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
- 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)
- Local folder/iSCSI Backup: Supported
- Remote folder/iSCSI Backup: Supported
- Mac OS X Time Machine: Supported
- System failover: Supported
- Snapshot: Supported (Btrfs)

### 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
- SCSIS 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
- Surveillance Center: Supported

### 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 (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 and 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 or FB account to register

### 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
- T-OnTheGo™: Upload, download and stream multimedia
- 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

- Recycled Bin: Supported
- Local Display: X-Window via HDMI output

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

Facebook: www.facebook.com/Thecus

Forum: forum.thecus.com

Twitter: twitter.com/Thecus\_Storage

RSS: www.thecus.com/rss\_news.php

YouTube: www.youtube.com/thecusstorage

Blog: blog.thecus.com

Retail/Reseller Information