Thecus®
Subsidiary of Ennoconn

N5810
Powerful, Affordable Quad-Core NAS

Intel Celeron J1900 CPU

Up to 50TB Capacity

4GB DDR3 Memory

HDMI Output

Acronis

(intel) **Look Inside.™**

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

Optimal Performance: *Embedded with Intel® Celeron™ 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	Web Server	Mobile Access	System Failover	Thecus Cloud	Surveillance Center
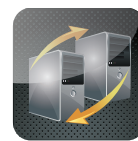
www.**Thecus**.com

N5810

Line Out
HDMI Output
Two USB 3.0 Ports
LAN2 Port

W: 190 mm

LED Indicators

H: 230 mm

USB 3.0 Port
Power Button
LCM Module

WAN/LAN1 Port
Two USB 2.0 Ports
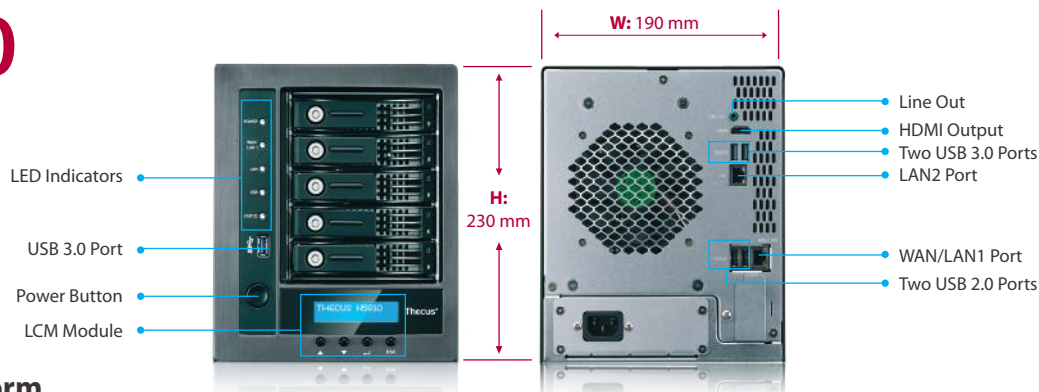
Hardware Platform

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

Chassis
· 5bays Tower Metal Chassis

Dimensions (HxWxD)
· 230 x 190 x 240 (mm)/ 9.06 x7.48 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
· 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
· 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

Retail/Reseller Information