N2800
Share your vision

High Definition Media Output

Make your NAS into the ultimate multimedia hub! The N2800's HDMI output allows you to connect your NAS directly to your TV for device management, web browsing with Flash support, and even HD video playback. Don't force yourself to watch movies on that tiny little computer screen anymore, take it to the living room!

SD/SDHC/MMC

Simplify your access to digital cameras, smart phones, electronic dictionaries, and much more. The N2800 supports SD/SDHC/MMC card readers for easy access to multimedia data.

iOS/Android Connectivity

In the modern world, nothing is as important as reaching your data from anywhere. With ThecusShare and the Thecus Dashboard, you can manage your NAS, and upload to and download/stream from your NAS using an iOS or Android device on the go.

Antivirus Powered by McAfee — Free

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 McAfee's powerful software on their NAS entirely for free.

USB 3.0

The next generation of connectivity is here with speeds 10x faster than USB 2.0. Whether connecting digital cameras and smart phones, backing up large external hard drives, or extending the capacity of your NAS, USB 3.0 will make sure it's done in no time at up to 5 Gbit/s. Backwards compatibility adds the connectivity of a world full of USB 2.0 and USB 1.1 devices to get the best combination of speed and universal access.

XFS Ext3 Ext4 — Selectable File System

Support for multiple file systems including EXT3, EXT4, and XFS, gives Thecus NAS flexibility to handle many different types of environments.

iSCSI Thin-Provisioning

Get the most out of your storage space with the extreme speed of iSCSI and the efficiency of iSCSI thin provisioning. Connect through iSCSI for the fastest data transfer speeds available and make wasted disk space a thing of the past with thin provisioning's flexible storage functionality.

Data Guard — Total Backup Solution

Data Guard backup solution is the ultimate software as it provides both local and remote parts. Currently, data is backed up across RAID volumes, external USB drives, and eSATA. In addition, Data Guard uses innovative technology to sync data across the network to other NAS and servers. More importantly, Thecus® Data Guard is the total backup solution which makes managing NAS user-friendly and convenient.

Add-on apps

| T-OnTheGo | T-Dashboard | Photo Server | WebDisk | Local Display | Access Guard | Transmission (BT Client) | USB/eSATA Backup | MySQL | Web Server | RAID Volume Replication | Simple Surveillance | NZBGet |

N2800

Specifications

Hardware Platform

Processor
· Intel® Atom™ Processor (2.13GHz, Dual-Core)

System Memory
· 2GB 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 x1 (front x1)

SATA DOM
· 1GB

HDMI Output
· HDMI port (back x1)

VGA Output
· VGA port (back x1)

Disk Interface
· 2 x SATA for internal
· 1 x eSATA for external

Power Supply
· External power adaptor

PCI-e x1 Slot
· 1 (1 lane)

Thermal/Fan control
· Thermal sensor on processor temperature

· System FAN speed controlled by temperature

System Clock
· Battery-backed up system clock

Power Management
· Auto power on after shutdown due to power loss

Card Reader
· Support SD/SDHC/MMC

Buzzer
· Adjustable frequency alarm

Buttons
· Power button
· USB copy button

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

Chassis
· Tower Metal Chassis

Dimensions (HxWxD)
· 163.8 x 115.4 x 217.6 (mm)

Weight
· 9.16Kgs

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

LED Screen

SD/SDHC/MMC Card Reader

One-Button Copy

USB 3.0 Port

Power Button

Power Connector
USB 2.0 Ports
eSATA Port
HDMI Port
VGA Port
WAN/LAN1 Port
LAN2 Port
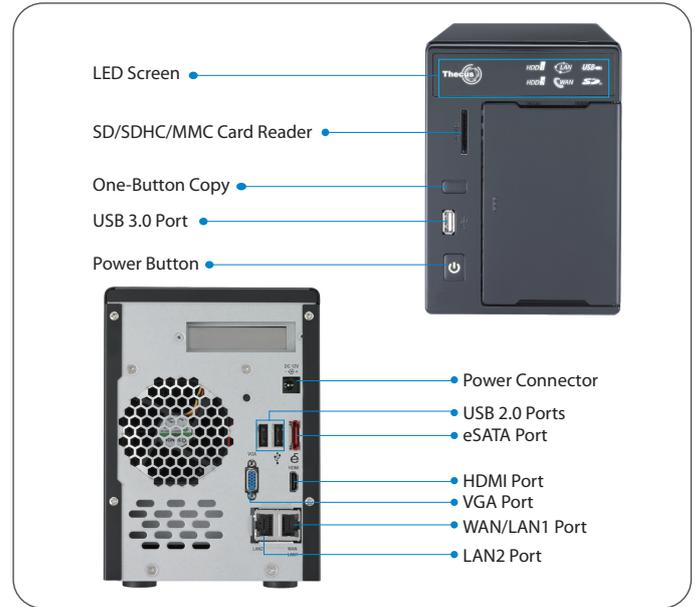
Software Functions

RAID
· RAID Modes: RAID 0, 1 and JBOD
· Auto-rebuild: Supported
· Hot-swap: 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

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
· TCP/IP:IPV6 & IPV4
· DDNS:Supported
· SSH: Supported
· UPnP: Supported
· UPnP Port forwarding :Supported

System status
· System Monitor: Monitoring CPU, memory, temperature, fan, 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 8/7/Vista/2003/XP/2000
  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)
· 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)
· Client Side Backup Software:
  Thecus Backup Utility (Windows/Mac OS X)
· 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

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 File System Selectable: EXT3/EXT4/XFS

Multimedia Support
· iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
· 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: "Read","write", or "deny" privileges to individual users or groups in folders and sub-folders

· User Quota: Supported

Administration
· User Interface: WWeb-based user interface supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish, Portuguese, Turkish and Czech.
· Utility Program:
  MS Windows Setup Wizard
  Supports Windows 8/7/Vista/2003/XP/2000
  Mac OS X Setup Wizard
· Email Notifications: Sends system messages via email to the system administrator
· SNMP Trap: System information trap out

Mobile Applications (iOS/Android)
· T-Dashboard:
  Mobile monitoring and administration (via module)
· ThecusShare™: Uploading, downloading, and streaming multimedia

Data Security
· Virus Scan:Supports McAfee® (via module)

Capacity Expansion
· Stackable:Can extend for 5 additional iSCSI volumes from other Thecus NAS

Others
· Recycled Bin: Supported
· Web Disk: Supported (via module)
· Web Server: Supported (via module)
· ISO Mount: Supported
· IP Cam Surveillance:
  Supports up to 5 IP cameras (via module)
· Auto Module Installation: Thecus's module server automatically provides the latest modules and updates through the user interface
· Local Display: X-Window via HDMI output

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

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