



# **TopTower N6850**

The World's No.1 Professional NAS









Thecus® NAS provides connection for USB and slim CD-ROM; users have the choice to install two types of optical

disc drive to their Thecus storage device. NAS data can now be burned directly to CD, DVD, and Blu-ray discs with Data Burn, this hassle-free module makes burning data to a disk effortless. In addition, burning ISO image file is also supported. Whether you're managing audio, media or essential files; Data Burn copies information fast while significantly reducing waiting time. The process of burning file to disk is now easy and smooth with Data Burn module.



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.



Make your NAS into the ultimate multimedia hub! The N6850's HDMI output allows you to connect your

NAS directly to your TV for device management.



Seeking for an advanced monitoring and user flexibility screen? Touch Panel display technology offers

top-quality advantages when integrated in a NAS. With clear navigation buttons: back, next, enter and escape, Touch Panel is designed for any type of user. Furthermore, not only can users view NAS status but can interactively control and change settings with a simple touch. From locating IP address, rebooting, starting link aggregation and more, Touch Panel offers users more control and flexibility.



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.



The private and public clouds meet with Thecus' new DropBox, Amazon S3 and ElephantDrive cloud backup

functionality! Guard your data with RAID at home and an additional level of protection in the Cloud. Just drag and drop files into the folder on your NAS and access them on any computer or mobile device with DropBox, Amazon S3 or ElephantDrive.



High-end data centers often need a level of speed that today's average Internet cannot provide. This Thecus

NAS is 10Gb Ethernet ready to satisfy the toughest needs of today and tomorrow.



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.

## Add-on apps



























Thecus

T-OnTheGo Photo Server

Mail Server Media Server

Web Server

USB/eSATA Backup

RAID Volume Replication

Simple Surveillance

# **TopTower N6850**

# **Specifications**

### **Hardware Platform**

Intel® Pentium® G620 2.6Ghz

### System Memory

2GB DDR3

### I AN Interface (PCI-e)

- RJ-45x2: Intel 82574L 10/100/1000 BASE-TX
- Auto MDI/MDI-X WOL supported
- PCI Express 8 lane slot x2

### USB Interface

- USB 2.0 host port x4 (Type A, one has power always on function) (front x2, back x2)
- USB 3.0 host port x4 (front x2, back x2)

• Displays system status and information (Multilingual)

### **HDMI Output**

HDMI port (back x1)

### Audio

MIC input, Line input, Audio output

### Disk Interface

### **Power Supply**

Single power supply (80plus)

Battery-backed up system clock
 Power Management

Auto power on after shutdown due to power loss

### Buzzer

Adjustable frequency alarm

### Touch Panel

- Power button
- OLED buttons (ENT, ESC, UP, DOWN) Environment

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

### Chassis

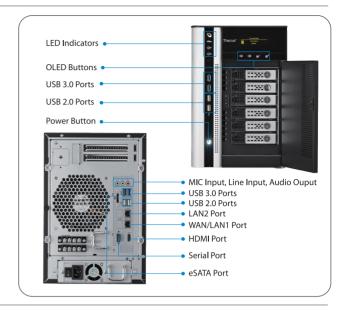
Tower base

### Dimensions (HxWxD)

• 320.4 x 215 x 282.6 (mm)

### Compatibility

- 10GbE PCI-e card
- · USB/slim CD/DVD/Blu-Ray drive



### **Software Functions**

- RAID Modes: RAID 0, 1, 5, 6, 10, 50 and JBOD
- Auto-rebuild: Supported
- Hot-swap: Supported
  Dedicated Hot Spare: Supported
- · Global Hot Spare: Supported
- RAID Level Migration: Supported
  RAID Level Expansion: Supported
- RAID Volume Encryption: AES256bit

- Power Management: Available spin-down on idle setting
- Bad Block Scanning: SupportedSMART Info: Supported

• Disk Roaming: Supports volume-based roaming to other Thecus NAS

- 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: SupportedUPnP: Supported
- UPnP Port forwarding: 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 Áccess

- Client OS Support: Windows XP and after
- Windows Server 2003 and after

UNIX/Linux

- 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

### 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:
- Create files to ISO image and burn to optical disc
- Create files to ISO image
   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 RAID: Supported
- Multiple File System Selectable: EXT3/EXT4/XFS

### **Multimedia Support**

- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
   Piczza!™ Photo Server (via module):
- 1. Supports GIF, JPG (JPEG), BMP, PNG
- Support EXIF display
   Support slide show
- Media Server: Supports uPnP AV streaming protocol (via Twonkymedia module)

### User Authentication

- Local User: Supports built-in user accounts
- · Local Group: Supports built-in user groups
- Windows ADS: Supported
- LDAP: SupportedAccess Guard: Supports Black & White list/IP Filter
- DropBox: Supported (via module) • ElephantDriver: Supported (via module) · Amazon S3: Supported

- 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

### Administration

- User Interface: Web-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 XP and after Windows Server 2003 and after 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) Thecus Dashboard:

Mobile monitoring and administration (via module)
T-OnTheGo™ (iOS): Upload, download and stream multimedia

### **Data Security**

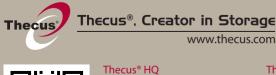
Virus Scan: Supports McAfee® (via module)

### **Capacity Expansion**

- Stackable: Can extend for 5 additional iSCSI volumes from other Thecus NAS Others
- Web Disk: Supported (via module)Web Server: Supported (via module)
- Recycling Bin: Supported
- ISO Mount: Supported
- IP Cam Surveillance: Supports up to 10 IP cameras (via module) · Auto Module Installation: Thecus' module server automatically provides the latest modules and updates through the user
- · Local Display: X-Window via HDMI output



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



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