Thecus®

Subsidiary of Ennoconn

N12850L

Acronis

CE FC D33B79 N11360 N1580 VCI EAC RoHS COMPLIANT
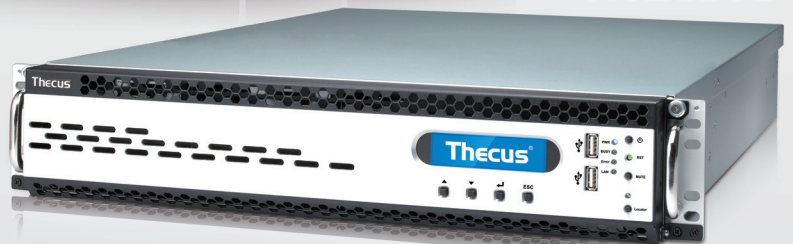
Ideal for Businesses in Need of
Rapid Performing, High Capacity Storage

- Equipped with **Intel Core™ i3-4170 CPU and 4GB DDR3 ECC RAM**
- **HA System Redundancy** with 10GbE Aggregation
- **Real-time Remote Replication** and **System Disaster Recovery**
- Bundled with **Free Acronis® True Image**
- 7 Modes of **Link Aggregation** for Faster Transfers
- Secure Remote Access with **VPN Connection**

(intel)
Look Inside.™

HA

System Failover
Uninterrupted Accessibility

10GbE Ready
Fiber / 10GBASE-T

SATA III
Supported

10 TB HDD
Supported

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N12850L

Hardware Platform

Processor
- Intel® Core™ i3-4170 Processor 3.70 GHz

System Memory
- 4GB DDR3 SDRAM shipped
- Memory Module Pre-installed: 4GB x 1
- Total Memory Slots: 4

Memory Expandable up to
- 32GB

LAN Interface (PCI-e)
- RJ-45x4: Auto MDI/MDI-X
- WOL supported

Available PCI-e Slots
- PCI-e x16 (x1) or PCI-e x8 (x2)
- PCI-e x1 (x1)

LCM
- Displays system status and information

USB Interface
- USB 2.0 host port x4 (front x2, back x2) (Type A)
- USB 3.0 host port x2 (back x2)

VGA Output
- VGA port (back x1)

Disk Interface
- 12 x SATA for internal, support SATA II / SATA III hard disk

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

RS232 (Internal debug only)
- Supported

K/B and Mouse (PS2)
- Supported

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

Chassis
- 2U Rack mount

Dimensions (HxWxD)
- 89 x 440 x 662 (mm)/3.5 x 17.3 x 26.06 (in)

Weight
- 26.39 (Kgs)/58.18(lb)

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

Software Functions

RAID
- RAID Modes: RAID 0, 1, 5, 6, 10, 50, 60 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 on idle setting
- Bad Block Scanning: Supported
- SMART Info: Supported
- SMART Test: Supported
- Disk Roaming: Supports volume-based roaming to other Thecus NAS (require OS5 64bit)

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)
- 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/Folder and iSCSI volume based
- Snapshot: Supported (Btrfs)
- System failover: Supported
- High Availability: Supported

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/Btrfs

Multimedia Support
- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
- Piczza!™ Photo 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 (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

Cloud Backup
- DropBox: Supported (via module)
- ElephantDrive: 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)

Administration
- User Interface: Web-based user interface supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish, 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 registration to connect NAS remotely

Mobile Applications (iOS/Android)
- Thecus T-OnTheGo™:
  Upload, download and stream multimedia
- Orbweb.me: Uploading, downloading, streaming multimedia and webcam via P2P connection

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

Data Security
- Antivirus: Supported (via module)

Others
- Recycling Bin: Supported
- Web Disk: Supported (via module)
- Web Server: Supported (via module)
- ISO Mount: Supported
- User Access Log: Supported
- User/System Module: 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 interface
- UPS: Supported through USB interface
- Disk Wipe: Supported
- Disk Clone: Supported
- Local Display: X-Window via VGA 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
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Retail/Reseller Information