



N4820U

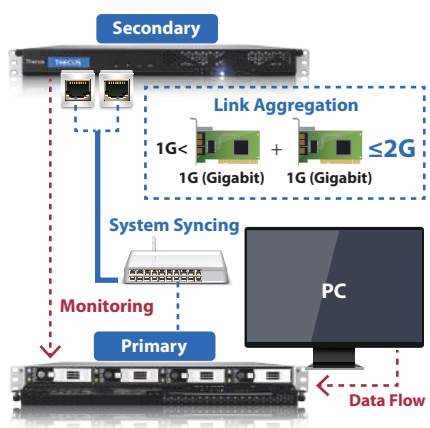
- intel CELERON QUAD CORE
- 4GB DDR3 RAM UP TO 8GB
- 10TB HARD DRIVE SUPPORTED
- SCALE OUT ARCHITECTURE



Reliable and Cost Efficient 4-bay 1U Rackmount NAS for Small Business and SOHO

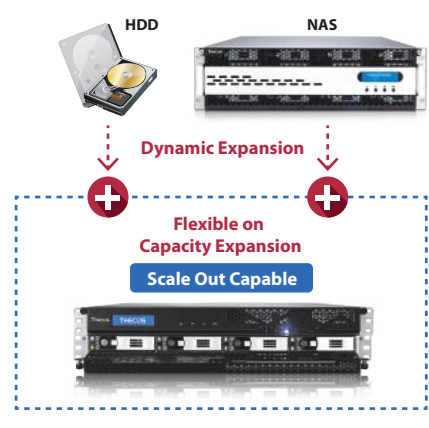


Acronis



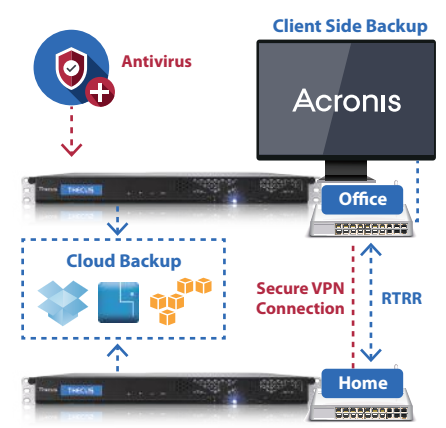
Rapid Performance

- Thecus System Failover
- 7 Modes of Link Aggregation
- SATA III Supported



Great Scalability for Big Data

- Scale Out: Dynamic Volume Expansion
- Stackable for 5 Additional iSCSI Volumes
- 10TB HDD Supported
- iSCSI Thin Provisioning Supported

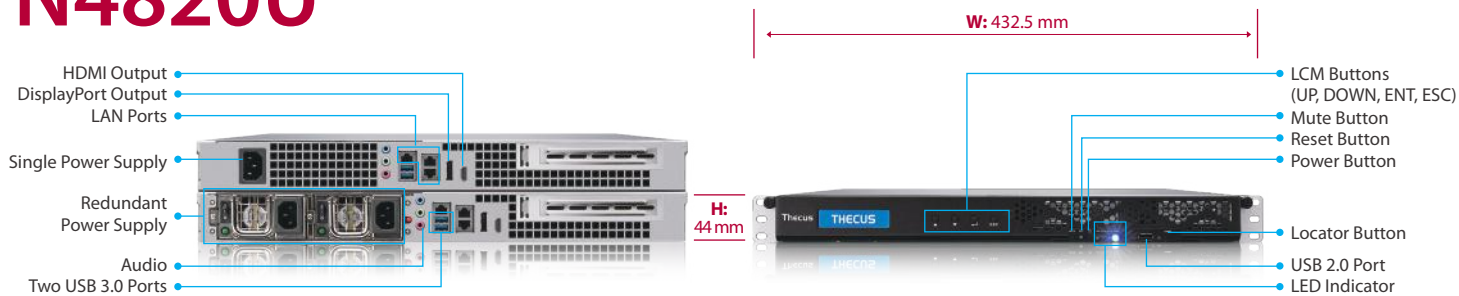


Reliable Data Protection

- Free Acronis & Antivirus
- Real-time Remote Replication (RTRR)
- Secure Remote Access with VPN
- Dropbox/Amazon S3/ElephantDrive

- Surveillance
- AD Server
- RAID Encryption
- Antivirus
- Link Aggregation
- Backup Solution
- VPN Server

N4820U



Hardware Platform

Processor

- Intel® Celeron N3450 1.1GHz Burst to 2.2GHz Quad Core

System Memory

- 4GB DDR3, can upgrade to 8GB
- Memory Module Pre-installed: 4GB x1
- Total Memory Slots: 2

LAN Interface (PCI-e)

- RJ-45x3: 10/100/1000 BASE-TX Auto MDI/MDI-X
- WOL Supported

USB Interface

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

LCM

- Displays system status and information

Multimedia Output

- DP/HDMI Output, Mic Input, Line Input, Line Output

Disk Interface

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

Power Supply

- 250W power supply (Single)
- 300W power supply (Redndtant)

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

Buttons

- Power, Reset, Mute, LCM Buttons

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

- 1U 4bays Rack Mount

Dimensions (HxWxD)

- 44 x 432.5 x 578.9 (mm) / 1.73 x 17.03 x 22.79 (in)

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 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, Balance-XOR, 802.3ad, 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, Temperature, fan, network utilization and protocols access user count
- Syslog Management:
 - Send syslog to assigned location
 - 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):
 - Supports USB printers
 - Supports a wide range of IPP printers
 - Client can manage print tasks (list/delete) via 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
- System Failover: Supported
- Mac OS X Time Machine: 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

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, French, German, Italian, Spanish, Russian
- 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
- DDNS: Supported
- 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
- Thecus T-OnTheGo™: Upload, download and stream multimedia
- Orbweb.me: Uploading, downloading, streaming multimedia and webcam via P2P connection

Data Security

- Antivirus: Supported

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