

N7770-10G N8880U-10G

Elite Class Business NAS
with 10GbE and
High Availability



- Intel Core i3-2120
- 8GB DDR3 ECC RAM
- 10GbE Included
- High Availability
- HDMI & VGA Output
- FREE Intel Security
- FREE Acronis

- Surveillance Server
- NAS App Center
- iSCSI
- Media Server
- Download Manager
- iTunes Server
- Web Server
- Thecus Cloud
- File Server

N7770-10G/N8880U-10G

Specifications

Hardware Platform

Processor

- Intel® Core i3-2120 (3.3GHz Dual Core)

System Memory

- 8GB DDR3 ECC Memory

LAN Interface

- RJ-45x2: Intel 82574L 10/100/1000 BASE-TX Auto MDI/MDI-X, WOL supported
- Supports 1 x Single-Port 10GBASE-T Ethernet Network Card

USB Interface

- USB 2.0 host port x6 (front x2, back x4)
- USB 3.0 host port x2 (back x2)

LCM Module

- Displays system status and information

HDMI Output

- HDMI port (back x1)

VGA Output

- VGA port (back x1)

Disk Interface

- 7 x SATA for internal (N7770-10G)
- 8 x SATA for internal (N8880U-10G)

Power Supply

- 300W Power Supply (N7770-10G)
- Redundant power supply 400W or more (80plus) (N8880U-10G)

Bundled 10GbE Network Card

- 1 x C10GTR Installed

Thermal/Fan control

- Thermal sensor on processor temperature

System Fan (N8880U-10G)

- Hot Swappable (x4)

System Clock

- Battery-backed up system clock

Power Management

- Auto power on after shutdown due to power loss

Buzzer

- Adjustable frequency alarm

Buttons

- Power button
- LCM button (ENT, ESC, UP, DOWN)

Environment

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

Chassis

- Tower base (N7770-10G)
- 2U Rack mount (N8880U-10G)

Dimensions (HxWxD)

- 320 x 210 x 270 (mm)/12.59 x 8.27 x 10.63 (in) (N7770-10G)
- 90 x 428 x 586 (mm)/3.54 x 16.85 x 23.07 (in) (N8880U-10G)

Weight

- 10.42 (kgs)/22.97 (lb) (N7770-10G)
- 23.29 (kgs)/51.35 (lb) (N8880U-10G)

Certificates

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

Software Functions

RAID

- RAID Modes (N7770-10G): RAID 0, 1, 5, 6, 10, 50 and JBOD
- RAID Modes (N8880U-10G): 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 while idle setting
- Bad Block Scan: Supported
- SMART Info: Supported
- SMART Test: Supported
- Disk Roaming: Supports volume-based roaming to other Thecus NAS (Require Thecus OS 5 64 bit)

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 Client/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)

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!™ 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 (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)
- ElephantDriver: Supported (via module)
- Amazon S3: Supported

File System

- Type: Journaling File System
- Language Support: Unicode Support
- Authorization (ACL): "Read"/"write"/"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
- Thecus ID/DDNS: Support one free DDNS registration (e.g. xxx.thecuslink.com)

Mobile Applications (iOS/Android)

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

Data Security

- Virus Scan: Supports Intel® Security (via module)

Capacity Expansion

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

System Redundancy

- High Availability: Supports system level redundancy

Others

- Recycled 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's module server automatically provides the latest modules and updates through the user interface
- UPS: Supported through USB interface
- Local Display: X-Window via HDMI output
- Disk Wipe: Supported
- Disk Clone: Supported

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

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Retail/Reseller Information