

# N7770 **SERIES**

# N8880U **SERIES**

Elite Class Business NAS  
with 10GbE and  
High Availability



- |                          |                            |   |                      |                        |                   |                 |
|--------------------------|----------------------------|---|----------------------|------------------------|-------------------|-----------------|
| Intel<br>Core<br>i3-2120 | 4GB/8GB<br>DDR3<br>ECC RAM | 10GbE<br>Included<br>(N7770-10G/<br>N8880U-10G) | High<br>Availability | HDMI<br>&VGA<br>Output | FREE<br>Antivirus | FREE<br>Acronis |
|--------------------------|----------------------------|---|----------------------|------------------------|-------------------|-----------------|

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|------------------------|-------------------|-------|--------------|---------------------|------------------|------------|-----------------|-------------|
|                        |                   |       |              |                     |                  |            |                 |             |
| Surveillance<br>Server | NAS<br>App Center | iSCSI | Media Server | Download<br>Manager | iTunes<br>Server | Web Server | Thecus<br>Cloud | File Server |

# N7770/N8880U Series

## Specifications

### Hardware Platform

#### Processor

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

#### System Memory

- 4GB DDR3 ECC Memory (N7770/N8880U)
- 8GB DDR3 ECC Memory (N7770-10G/N8880U-10G)

#### 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 (N7770-10G/N8880U-10G)

#### 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, support SATA II / SATA III hard disk (N7770 Series)
- 8 x SATA for internal, support SATA II / SATA III hard disk (N8880U Series)

#### Power Supply

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

#### Bundled 10GbE Network Card

- 1 x C10GTR Installed (N7770-10G/N8880U-10G)

#### Thermal/Fan control

- Thermal sensor on processor temperature

#### System Fan

- Hot Swappable (x4) (N8880U Series)

#### 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 Series)
- 2U Rack mount (N8880U Series)

#### Dimensions (HxWxD)

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

#### Weight

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

#### Certificates

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

### Software Functions

#### RAID

- RAID Modes (N7770 Series):
  - RAID 0, 1, 5, 6, 10, 50 and JBOD
- RAID Modes (N8880U Series):
  - 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 Thcus NAS (Require ThcusOS 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, 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 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 only)

#### Block Level Access

- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thcus 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)
- ElephantDrive: 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

#### Mobile Applications (iOS/Android)

- Thcus T-OnTheGo™:
  - Upload, download and stream multimedia
- Orweb.me : Uploading, downloading, streaming multimedia and webcam via P2P connection

#### Data Security

- Antivirus: Supported (via module)

#### Capacity Expansion

- Stackable: Can extend for 5 additional iSCSI volumes from other Thcus 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: Thcus'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@thcus.com


Official Website: www.thcus.com


For Windows NAS: wss.thcus.com


Reseller Center: www.thcus.com/reseller\_index.php


NAS App Center: www.thcus.com/sp\_app\_center.php

 Facebook: www.facebook.com/Thcus

 Forum: forum.thcus.com

 Twitter: twitter.com/Thcus\_Storage

 RSS: www.thcus.com/rss\_news.php

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Retail/Reseller Information