



# N4200PRO

The Turbo-Charged Zero-Crash NAS



 **Intel® Atom™ D525**  
 **1GB DDR3 Memory**



-  **iSCSI**
-  **Green NAS**
-  **Free Acronis True Image Backup Software**
-  **Multiple RAID**
-  **Snapshot for Version Control**
-  **VMware support**
-  **DLNA-Compliant Media Server**
-  **Add-on Application Module**
-  **XFS Ext3 ZFS Selectable File System**



## Vastly Improved Performance

By coupling the power of an Intel® Atom™ D525 Processor with the speed of next-generation DDR3 memory, the N4200PRO delivers wicked performance. Files transfer faster, commands are executed quicker, and more clients can connect to the N4200PRO than ever before.

## Dual DOM™ Protection



It's always good to have a backup, and that goes double for system software. If something should go wrong, your data and your entire system could be at risk. Put your mind at ease with Dual DOM OS Redundancy, which gives you a secondary DOM that can reprogram the primary DOM automatically in case of a malfunction for maximum reliability and uptime.

## Dual Display Convenience



Wondering how your NAS is doing? Just check out the LCD display on the N4200PRO for convenient status information including HDD activity, LAN activity and USB Copy status. The sharp OLED display even allows you to change various system settings without having to be near a computer.

## Multiple Backup Options

Backup your data your way with the N4200PRO's multiple backup options. Included with the device are the Thecus® Backup Utility, Nsync remote replication, snapshot support, and even Acronis® OEM Backup Software, giving you a wide variety of ways to backup your precious data.

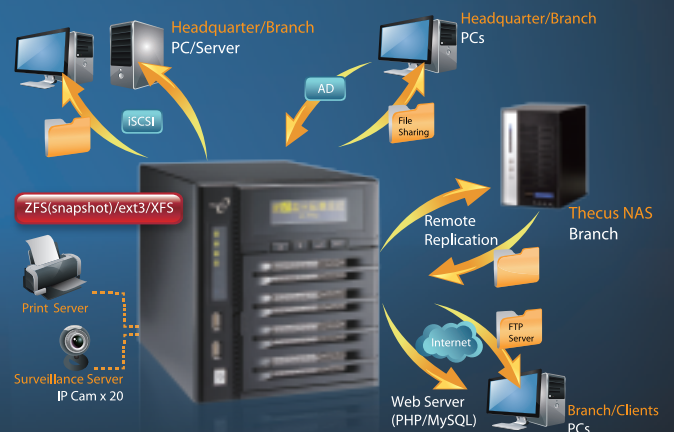
## Built-In Mini-UPS



With the N4200PRO's built-in Mini-UPS, not even a power outage can slow you down. The Mini-UPS provides power to allow the N4200PRO to write unwritten data to the hard disks and safely shutdown, ensuring the integrity of your data and preserving your memories.

## Rock-Solid Security

The N4200PRO safeguards your data with a number of selectable RAID modes, including RAID 0, 1, 5, 6, 10, JBOD. Changing damaged hard disks is also a breeze with its built-in hot-swap, hot-spares, online RAID migration and expansion, as well as auto-rebuild capabilities. And if you need even more protection, there also AES 256bit RAID volume encryption available.



- Intel® Atom™
- 1GB RAM
- 4x SATA 8TB+
- 2x eSATA
- PCI-e Slot
- iSCSI
- ext3 XFS ZFS
- RAID options
- Multiple RAID
- Online RAID Migration
- Online RAID Expansion
- Volume Encryption
- OS Support (for Linux, Windows)
- Remote Replication
- Hot Swap
- Battery Backup Module

# N4200PRO

## Specifications

### Hardware Platform

#### Processor

- Intel® Atom™ Processor D525

#### System Memory

- 1 GB DDR-3 SDRAM

#### LAN Interface

- RJ-45x2 : 10/100/1000 BASE-TX Auto MDI/MDI-X

#### LCD indicator

- HDD Power, Activity (Yellow) / Fail (Red)
- LAN\_WAN Activity (Green)
- USB\_COPY\_Busy (Blue)
- USB\_COPY\_Fail (Red)

#### OLED Module

- 2.8" OLED display
- 4 buttons (ENTER, ESC, UP, DOWN)
- Multi-lingual supported

#### Power Supply

- External power adapter 19V input (support 2TB and above HDDx4)

#### Disk Interface

- SATA x4 for internal, 2x eSATA for external

#### Expansion Slot

- PCI-e x1

#### USB Interface

- USB 2.0 host port x6(Front x2, Back x4) (A Type)

#### Thermal/Fan control

- Thermal sensor on system and processor
- System fan speed controlled according to temperature

#### Real-time clock

- Battery backup system clock

#### Button

- Power button
- Reset to factory default button

#### Chassis

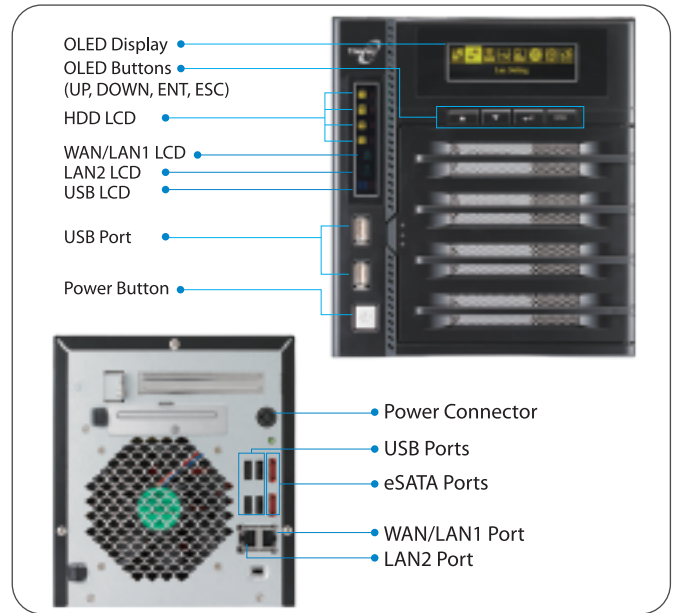
- Metal chassis

#### Lithium-ion Battery (Mini-UPS)

- Built-in battery backup module

#### Environment

- Temperature : 5°C to 40 °C
- Humidity : 0 ~ 80 % R.H. (Non-condensing)



### Software Functions

#### RAID

- RAID Modes : RAID 0, 1, 5, 6,10, JBOD
- Auto-Rebuild : Supported
- Hot-Swap : Supported
- Hot-Spare : Supported
- Online RAID Migration : Supported
- Online RAID Expansion : Supported
- SMART Info : Supported
- SMART Test : Supported
- RAID Volume Encryption : AES 256bit

#### Disk

- Power Management : Configurable automatic drive spin down
- Roaming : Supports roaming to other N4200PRO NAS
- Bad Block Scan : Supported

#### Volume Management

- Multiple RAID : Supported
- Selectable File Systems : Ext3 / XFS / ZFS

#### Network

- Configuration : Fixed IP address, dynamic IP address
- IP sharing mode : Can be enable/disabled
- Link Aggregation : 802.3ad, load balance, failover, Balance-XOR, Balance-TLB, Balance-ALB
- Transport Protocols : TCP/IP, Appletalk
- File Protocols : SMB/CIFS, HTTP/HTTPS, FTP, NFS v3, AFP

#### Data Access

- Client OS support :
  - Windows 2000/7/XP/2003/Vista
  - UNIX/Linux
  - Mac OS 9 / X
- WebDisk Web-based file access
- FTP : Built-in FTP server with bandwidth control
- Secure FTP : Built-in Secure FTP server with bandwidth control
- Download Manager (module) : HTTP/ FTP/ BT/eMule/NZB
- Printer Server (IPP)
  - 1.Support USB printers
  - 2.Support IPP various printers
  - 3.Client can manage print tasks (list/delete) via web user interface
- TFTP Server : Users can download and upload files with TFTP programs.

#### Data Backup

- USB copy via OLED operation : Copy USB mass storage device contents to specified location to NAS
- NAS data backup to external USB disk (module) : Incremental with schedule supported
- Client schedule incremental :
  - Acronis True Image (OEM version)
- Client system Disaster Recovery :
  - Acronis True Image (OEM version)
- Battery Backup Module (Mini-UPS) : Contingency Battery Power Supply
- NAS Remote Replication (module) : Via Rsync to replicate data between two systems.
- NAS Remote Replication : Via Thecus proprietary Nsync
- Snapshot : Supported
- Mac Time Machine : Supported
- Bi-directional USB Copy (Module) : Supported

#### Block Level Access

- iSCSI Target : Supports Microsoft/Mac/Linux Initiator
- iSCSI initiator : For stackable with N4200/ N4200Eco/ N4200PRO/N5200PRO/1U4600/N5500/N7700 series/ N8800 series
- iSCSI Thin Provisioning : Virtual size adjustable up to 16TB

#### Multimedia Support

- iTunes Server : Supported file types : AAC, MP3 w/ ID3 tag, WAV
- Photo Web Server :
  - 1.Supported file types: GIF, JPG (JPEG), BMP, PNG
  - 2.Support EXIF display
  - 3.Support slide show
- Media server : Support uPnP AV streaming protocol

#### User Authentication

- Local User : Supports built-in user accounts
- Local Group : Supports built-in user groups
- Windows NT/ADS : Supported

#### File System

- Type : Journaling file system
- Capacity : Multi-terabyte
- Language Support : Unicode Support
- Authorization : Read, Write or Deny options on individual users or groups
- Authorization (ACL) : Read, Write or Deny options on

- individual users or groups for share and sub-folder

#### Administration

- Multi-Lingual Web-Based Administration : Web-based server management interface
  - Supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish and Portuguese.
- Utility Program :
  - MS Windows / Mac OS X Setup Wizard
  - Supports multilingual
  - Supports Windows 7/ 2000/ XP/ 2003/ Vista
  - Mac OSX backup utility
- Email Notification : Sends system messages via Email to system administrator
- SNMP Management : Supported
- Power Management
  - Schedule On/Off : Supported
  - Wake-On-LAN (WOL) : Supported
  - Auto Power On After Power Failure : Supported

#### Others

- Recycled bin : Supported
- Dual DOM : Supported
- Web Server + MySQL (module) : Supported
- ISO Mount : Supported
- Web Disk : Supported with remote access
- Auto Module Installation : If Thecus IP storage is capable of connecting to the Internet, then it will automatically link to Thecus's official website and list available modules.
- IP CAM Surveillance Server (module) : Supports up to 5 IP CAM devices
- Supported Web Browsers :
  - Internet Explorer 7 or higher
  - Firefox 3 or higher



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

**Thecus®** Creator in Storage  
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