Thecus®

N4200
Zero-Crash™ with Dual Power NAS

intel Atom inside

vmware READY

- iSCSI
- Green NAS
- Free Acronis True Image Backup Software
- Multiple RAID
- Snapshot for Version Control
- Mini-UPS
- DLNA-Compliant Media Server
- Add-on Application Module

Dual Core CPU for Snappy System Performance

Two heads are better than one, which is why the N4200's dual core Intel® CPU can deliver increased system response and handle multiple clients quickly and efficiently. Enjoy the performance and power of the N4200 with Intel® Inside.

Unmatched Reliability with Dual DOM™ Design

Dual DOM™ OS Redundancy

A Disk On Module (DOM) contains all of the system's critical software. If it stops working for any reason, your system firmware could be inaccessible - or worse. With the N4200's Dual DOM (OS Redundancy) Design, a secondary DOM automatically reprograms the primary DOM if it fails, meaning your data is always safe and accessible.

Easy Administration with Dual Displays

Featuring two separate displays,the N4200 is incredibly friendly to use. The LCD displays critical system information, including hard disk and network status, while the OLED allows you to change a number of different system settings, such as WAN, LAN, Link Aggregation, languages and more.
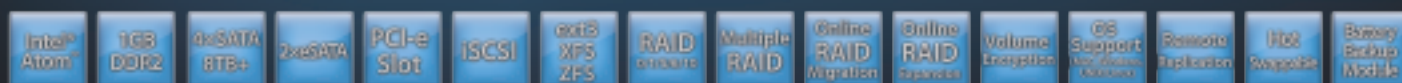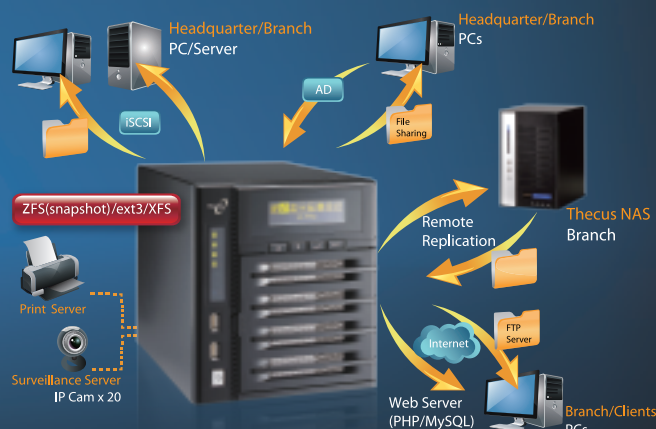
Dual Power for Untouchable Data Integrity

Sudden power failures can spell trouble for your data. If the power goes out during a firmware upgrade, your entire system could be at risk. Enter the N4200's Battery Backup Module (mini-UPS). With the equipped lithium-ion battery, all unwritten data is automatically saved into hard disks, ensuring both data and system integrity at all times.

Increased Flexibility with Dual HDD Profile Support

2.5" & 3.5" HDD Combo Support

The N4200 features Thecus' unique combo SATA hard disk bays, which can accommodate both 2.5" and 3.5" SATA hard disks! Choose 2.5" drives for lower power consumption and quieter operation, or 3.5" drives for extra capacity and performance. With the N4200, the choice is yours.

Headquarter/Branch PC/Server
Headquarter/Branch PCs
AD
iSCSI
File Sharing
ZFS(snapshot)/ext3/XFS
Remote Replication
Thecus NAS Branch
Print Server
Surveillance Server IP Cam x 20
Internet
FTP Server
Web Server (PHP/MySQL)
Branch/Clients PCs

- Intel Atom
- 1GB DDR2
- 4xSATA 8TB+
- 2x eSATA
- PCI-e Slot
- iSCSI
- ext3 XFS ZFS
- RAID
- Multiple RAID
- Online RAID Migration
- Online RAID
- Volume Encryption
- OS Support
- Remote Replication
- HDD
- Battery Backup Module

N4200
Specifications

Hardware Platform

Processor
・Intel® Atom™ Processor D510

System Memory
・1 GB DDR-2 SDRAM

LAN Interface (PCI-e)
・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 temperature
・System fan speed controlled by temperature

Real-time clock
・Battery backup system clock
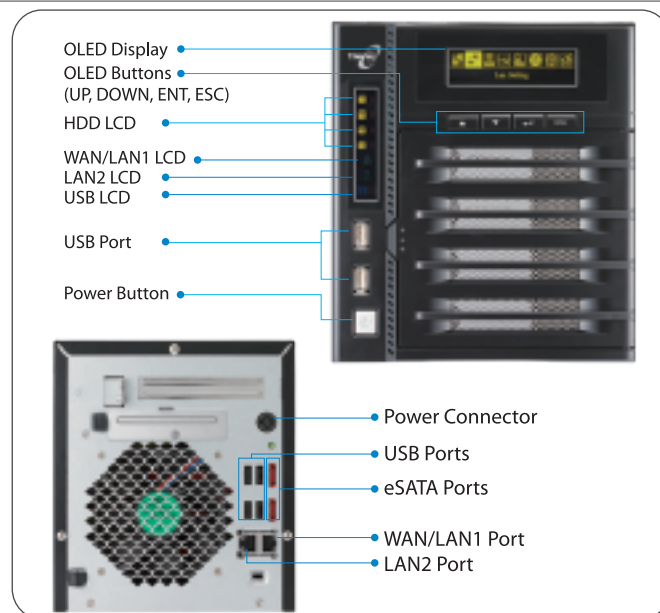
Button
・Power button
・OLED buttons

Chassis
・Metal chassis

Li-ion Battery (mini-UPS)
・Built-in battery backup module

Environment
・Temperature : 5℃ to 40 ℃
・Humidity : 0 ~ 80 % R.H. (Non-condensing)

OLED Display
OLED Buttons (UP, DOWN, ENT, ESC)
HDD LCD
WAN/LAN1 LCD
LAN2 LCD
USB LCD
USB Port
Power Button

Power Connector
USB Ports
eSATA Ports
WAN/LAN1 Port
LAN2 Port

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：Spins down while idle time setup
・Roaming：Supports roaming to other N4200 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
・Transport Protocols：TCP/IP, Appletalk
・File Protocols ：SMB/CIFS, HTTP/HTTPS, FTP, NFS v3, AFP
・Wireless LAN：802.11b/g AP mode supported by USB Dongle

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
・Download Manager (module)：HTTP / FTP / BT / eMule
・Printer Server (IPP)
  1.Support USB printers
  2.Support IPP various printers
  3.Client can manage print tasks (list/delete) via web user interface

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 Power Battery Supply
・NAS Remote Replication：Via Thecus proprietary Nsync
・Snapshot：Supported

Block Level Access
・iSCSI Target : Supports Microsoft/Mac/Linux Initiator
・iSCSI initiator : For stackable with N4100PRO/ N4200/ N5200PRO/1U4500/N5500/N7700 & N8800 SAS and PRO
・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：8TB
・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 and Polish
・Utility Program :
  MS Windows Setup Wizard
  Supports Windows 7/ 2000/ XP/ 2003/ Vista
  Mac OSX backup utility
・Email Notification : Sends system messages via Email to system administrator

Power Management
・Schedule On/Off : Supported
・Wake Up 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
・User module : Supported
・IP CAM Surveillance Server (module)：Supports up to 5 IP CAM devices

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

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