Thecus® N8800PRO
10GbE Ready, 2U Power Storage Server

- Ethernet 10GbE Ready
- Multiple RAID
- Dual DOM™ OS Redundancy
- XFS Ext3 ZFS Selectable File System
- Snapshot for Data Restoration
- DLNA-Compliant Media Server
- Green NAS
- Free Acronis True Image Backup Software
- Add-on Application Module
- AJAX User Interface

vmware® READY

4GB DDR2 MEMORY INSIDE
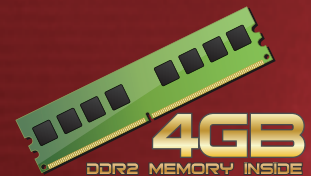
Breakthrough Performance

The N8800PRO offers unprecedented data performance, reaching speeds of over 300MB/s. Why wait around for file transfers to complete? With the N8800PRO, users no longer have to.

Superior Specs

Powered by an Intel® Core™ 2 Duo processor and featuring 4GB of high-speed DDR2 memory, the N8800PRO is the most powerful NAS unit on the market. Enjoy instantaneous system response and increased concurrent connections with the N8800PRO.

Ready For the Future

Future technologies are around the corner, and the N8800PRO is ready. With its PCI-e slot, the N8800PRO can accommodate a number of emerging technologies. Add a 10Gb Ethernet adaptor and experience the lightning-fast file transfers. With PCI-e expansion, the N8800PRO is ready for whatever may come.

Unique Dual DOM™ (OS Redundancy) Design

In business, having access to mission-critical data at all times is crucial. The N8800PRO is equipped with a dual Disk On Module (DOM) design to ensure flawless operation and maximum uptime.

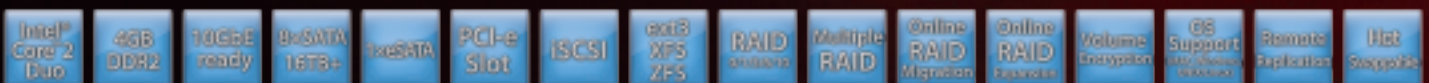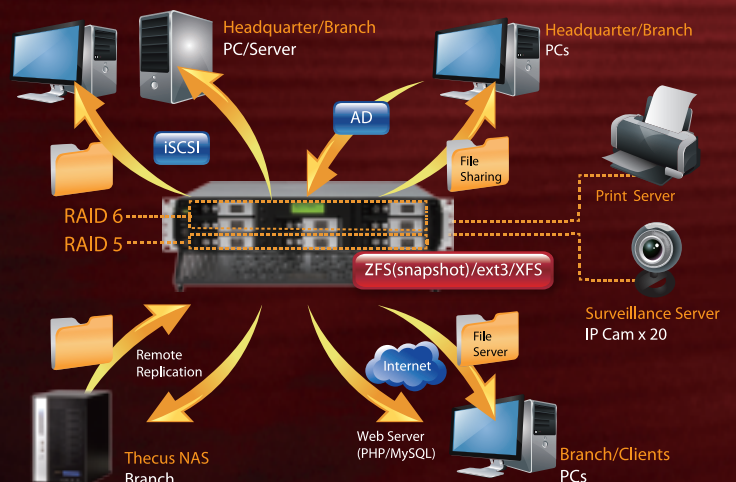## Incredibly Expandable and Adaptable

The N8800PRO offers excellent storage expansion possibilities with its stackable feature. Simply connect up to five N8800PROs together and conveniently control them all using a single unit. You will also be pleased to hear that the N8800PRO is also compatible with iSCSI initiators for blazing transfer speeds.

Handy Snapshot Feature for Version Control

The N8800PRO is capable version control via a snapshot function with the ZFS file system, allowing users to efficiently create and restore remote backups. For users, the result is total data security and peace of mind.

Maximum Flexibility and Expansion

Aside from being iSCSI ready, the N8800PRO offers unmatched flexibility. Support for multiple file systems including Ext3, XFS and ZFS, as well as online RAID migration and expansion, means that the N8800PRO's data protection and capacity are upgradable and can be integrated into virtually any company network with ease. Users can add larger hard disks to available slots and join an existing RAID volume. The N8800PRO will automatically rebuild the RAID array and increase storage capacity.

Headquarter/Branch PC/Server
Headquarter/Branch PCs
AD
iSCSI
File Sharing
RAID 6
RAID 5
ZFS(snapshot)/ext3/XFS
Print Server
Surveillance Server IP Cam x 20
Remote Replication
File Server
Internet
Thecus NAS Branch
Web Server (PHP/MySQL)
Branch/Clients PCs

Intel® Core 2 Duo | 4GB DDR2 | 10GbE ready | 8xeSATA 16TB+ | 1xeSATA | PCI-e Slot | iSCSI | ext3 XFS ZFS | RAID | Multiple RAID | Online RAID Migration | Online RAID Expansion | Volume Encryption | OS Support | Remote Replication | Hot Swappable

N8800PRO
Specifications

Hardware Platform

Processor
· Intel® Core™ 2 Duo Technology

SATA Device
· 8 x SATA for internal
· 1 x eSATA for external

System Memory
· 4GB DDR2 SDRAM

LAN Interface (PCI-e)
· RJ-45x2 : 10/100/1000 BASE-TX Auto
  MDI/MDI-X
· WOL supported

USB Interface
· USB 2.0 host port x4(Front x2, Back x2)
  (A Type)

LCM
· Displays system status and information

LED Indicator
· Power (Yellow)
· System Alert : Redundant power or system
  fan failure(Red)
· HDD1-8 Activity/Fail(Green/Red)

PCI-e x8 Slot x 1

Power Supply
· 350W Redundant Power Supply

Disk Interface
· SATA x8 via backplane

Thermal/Fan Control
· Thermal sensor on processor temperature

System Fan
· 4 x Hot Swappable

Buttons
· Power button(Front, power down controlled
  by S/W)
· LCM button (ENT,ESC,UP, DOWN)
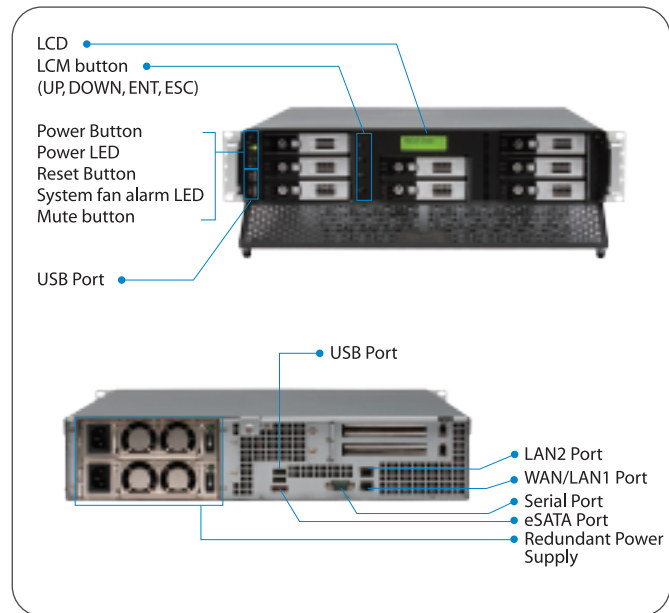· System reset button
· Mute button while system alert

RS232
· 1 (For UPS)

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

Dimensions
· 2U Rack Mount

LCD
LCM button
(UP, DOWN, ENT, ESC)

Power Button
Power LED
Reset Button
System fan alarm LED
Mute button

USB Port

USB Port

LAN2 Port
WAN/LAN1 Port
Serial Port
eSATA Port
Redundant Power
Supply

Software Functions

RAID
· RAID Modes ： RAID 0, 1, 5,6,10,JBOD
· Auto-rebuild supported
· Hot-swap supported
· Hot Spare supported
· SMART Info supported
· SMART Test supported
· Online RAID Migration supported
· Online RAID Expansion supported
· RAID Volume Encryption : AES256bit

Disk
· Power Management ： Spins down while idle time setup
· Bad Block Scan : Supported
· Roaming : Supports roaming to other N8800PRO

Network
· Configuration : Fixed IP Address, Dynamic IP Address,
· IP Sharing Mode : Can be enabled /disabled
· Transport Protocols : TCP/IP/Appletalk
· File Protocols : SMB/CIFS,HTTP/HTTPS, FTP, NFS v3, AFP
· Link Aggregation : 802.3ad, load balance and fail over

Data Access
· Client OS Support :
  Windows 7/ 2000/ XP/ 2003/ Vista
  UNIX/Linux
  Mac OS 9 / X
· WebDisk : Web-based file access
· FTP : Build in FTP server with bandwidth control
· Secure FTP : Build in secure FTP Server with bandwidth
  control
· Download Manager(Module) : HTTP / FTP / BT / eMule
· Printer Server (IPP) :
  1. Supports USB printers
  2. Supports IPP various printers
  3. Client can manage print tasks (List/Delete) via Web user
     interface

Data Backup
· Client data backup : Acronis True Image (OEM version)

· Client System Disaster Recovery : Acronis True Image
  (OEM version)
· NAS Remote Replication : Via Thecus proprietary Nsync
· USB Device Copy to N8800PRO : Through LCM to control
· Snapshot : Supported
· Bi-directional USB Copy(Module) : Supported

Block Level Access
· iSCSI Target : Supports Microsoft/Mac/Linux Initiator
· iSCSI initiator : For stackable with N4200PRO /1U4600
  /N5500 /N7700 series/N8800 series
· iSCSI Thin Provisioning : Virtual size adjustable up to 16TB

Power Management
· Schedule Power On/Off : supported

Volume Management
· Multiple RAID : Supported
· Selectable File Systems : Ext3 / XFS / ZFS

Multimedia Support
· iTunes Server : Supported File Types: AAC, MP3 w/
  ID3 tags, WAV
· Photo Web Server :
  1.Supported File Types: GIF, JPG (JPEG), BMP, PNG
  2.Supports EXIF display
  3.Supports slide show
· Media Server : Supports 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 : 16TB (XFS,ZFS) / 8TB (ext3) per volume
· Language Support : Unicode support
· Authorization (ACL) : Read, write or deny options on
  individual users or groups for share and sub-folders

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 setup Wizard (OSX only)
· Email Notification : Sends system messages via Email
  to system administrator
· SNMP Trap : System information trap out

Others
· Dual DOM™ : Supported
· Web Disk : Supported
· Recycled Bin : Supported
· Web Server (Module) : Supported
· ISO Mount : Supported
· User Module : Supported
· IP CAM Surveillance (Module) : Supported to 10 IP CAM
  devices

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