



A NAS FOR EVERY NEED

N8200XXX

MULTI-USER ENTERPRISE
2U RACKMOUNT NAS SERVER



Extreme Speed



Enterprises cannot afford to wait for their data, which is why the N8200XXX is built for speed.

Featuring Intel Atom D525 running at 1.8GHz, the N8200XXX runs circles around the competition. Combined with 1GB of super fast DDR3 RAM, that means incredible transfer speeds and less time spent waiting.

Extreme Protection



Put safety first with AES256bit RAID volume encryption and USB Key functionality. An impenetrable

wall of protection is at your disposal to make sure only those you want can access your data, and no one else. Simply set up a USB flash drive key that unlocks your data with no hassle and maximum protection.

Extreme Data Backup



Secure your data with the sophisticated features and refined simplicity that only Thecus can offer.

Incremental backups and recover data with Acronis's True Image software, take and revert back to system snapshots at your leisure, and remotely backup to anywhere in the world with native Rsync support.

iSCSI Thin Provisioning Support



Get the most out of your storage space with the extreme speed of iSCSI and the efficiency of iSCSI thin provisioning.

Connect through iSCSI for the fastest data transfer speeds available and make wasted disk space a thing of the past with thin provisioning's flexible storage functionality.

Extreme Power Management



N8200XXX supports scheduled power on/off. With this feature, users can set what time the system

turns on or off. This feature is a big plus for people who want to conserve energy. Wake-On-LAN enables users to remotely turn the system on without leaving their seat.

Online RAID Volume Management



Managing RAID volumes has never been easier thanks to the N8200XXX's Online RAID Volume

Management. Administrators can easily expand or migrate RAID volumes without having to power down the system, eliminating costly downtime.



N8200XXX

Specifications

Hardware Platform

Processor

- Intel® Atom™ D525 Processor

System Memory

- 1 GB DDR3 SODIMM

LAN Interface

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

LED indicator

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

Disk interface

- SATA x8, 1x eSATA for external

Power

- 400W Redundant Power Supply

USB Interface

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

Thermal

- Thermal sensor on processor temperature

Real-time clock

- Battery backup system clock

Power management

- Power on after power lose resume

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

- One for UPS

Buzzer

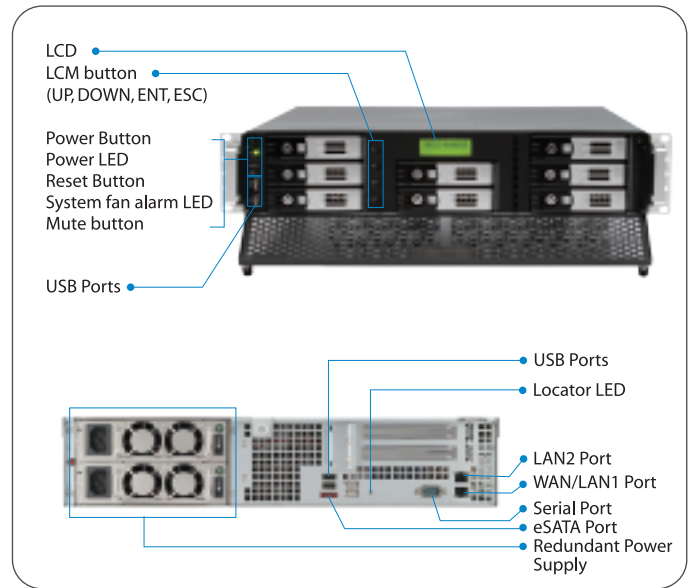
- Frequency Controllable

Dimension

- 2U Rack Mount

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
- SMART Info: Supported
- SMART Test: Supported
- On line RAID Migration: Supported
- On line 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 N8200XXX

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, TFTP, NFS v3, AFP
- Link Aggregation: 6 modes supported

Data Access

- Client OS support: Windows 2000/XP/2003/Vista/7 UNIX/Linux Mac OS X
- WebDisk: Web-based file access
- TFTP: Build in TFTP Server
- 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/NZB
- Printer Server (IPP):
 - Supports USB printers
 - Supports IPP various printers
 - Client can manage print tasks (List/Delete) via web interface.

Data Backup

- Client schedule incremental data backup: Acronis True Image (OEM version)
- Client System Disaster Recovery: Acronis True Image (OEM version)
- USB device copy to N8200XXX: Through LCM to control
- Snapshot: Supported
- Bi-directional USB Copy (Module): Supported
- Native Rsync: Supported

Block Level Access

- iSCSI Target: Supports Microsoft/Mac/Linux Initiator
- iSCSI initiator: For stackable with other Thecus NAS which support stackable
- iSCSI Thin Provisioning: Configurable to virtual size as system allowed capacity

Volume Management

- Multiple RAID: Supported
- Multiple file system selectable: EXT3/EXT4/XFS/ZFS

Multimedia Support

- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
- Photo Web Server:
 - Supports GIF, JPG (JPEG) and PNG
 - Supports EXIF display
 - 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, EXT4)/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, Polish and Portugal
- Utility Program: MS Windows Setup Wizard Supports Windows 7/2000/XP/2003/Vista Mac setup Wizard (OS X only)
- Email Notification: Sends system messages via Email to system administrator
- SNMP trap: System information trap out

Power Management

- Schedule power on/off: Supported

Others

- Web Disk: Supported
- Dual DOM: Supported
- User Quota: Supported
- Recycled bin: Supported
- Web Server (Module): Supported
- ISO Mount: Supported
- User module: Supported
- IP CAM surveillance (Module): Supports up to 5 IP CAM



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

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