



A NAS FOR EVERY NEED

1U4200XXX

FULL-FEATURED 1U RACKMOUNT NAS SERVER



Extreme Speed



With a power-house of a processor in the Intel Atom D525 running at 1.8GHz, the 1U4200XXX runs circles around the competition. Combined with 1GB of super fast DDR3 RAM, that means incredible transfer speeds and less time spent waiting.

Extreme Data Backup



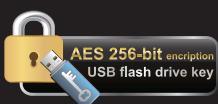
Secure your data with the sophisticated features and refined simplicity that only Thecus can offer. Incremental backups and recover data with Acronis's True Image software, take and revert back to system snapshots at your leisure, and remotely backup to anywhere in the world with native Rsync support.

Extreme Power Management



1U4200XXX 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.

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.

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.

Online RAID Volume Management



Managing RAID volumes has never been easier thanks to the 1U4200XXX's Online RAID Volume Management. Administrators can easily expand or migrate RAID volumes without having to power down the system, eliminating costly downtime.

Available with a Single Power Supply (1U4200XXXS) or a Redundant Power Supply (1U4200XXXR)

Thecus has made the 1U4200XXX available in single and dual power supply to give users more choices about how to protect their data. Choose the robust single power supply or go the distance with the added security of the dual power supply.



1U4200XXX

Specifications

Hardware Platform

Processor

- Intel® Atom™ D525

System Memory

- 1GB DDR3 SODIMM

LAN Interface

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

USB Interface

- USB 2.0 host port x5 (front x1, back x4) (Type A)

LED Indicator

- Power: (yellow)
- System Alert: Redundant power or system fan failure (red)
- HDD1-4 Activity/Fail (green/red)

Disk Interface

- 4 x SATA for internal
- 1 x eSATA for external

Power Supply

- 200W Power supply (1U4200XXXS)
- 250W Redundant power supply (1U4200XXXR)

Thermal/Fan Control

- Thermal sensor on processor FAN control
- Temperature controlled system FAN speed

Real-time Clock

- Battery backup system clock

Power Management

- Power on after power lose resume

Buzzer

- Frequency Controllable

Buttons

- Power button (Front, shutdown controlled by user interface)
- LCM button (ENT,ESC,UP,DOWN)
- System reset button

RS232

- 1 (For UPS)

Environment

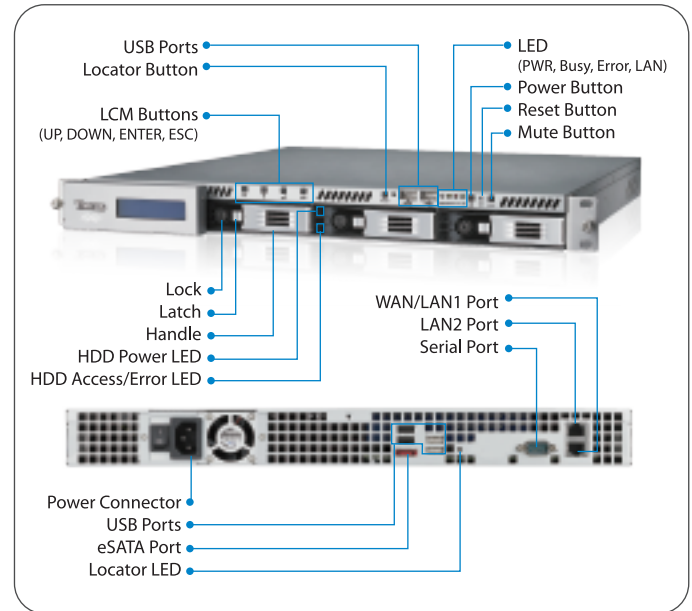
- Temperature: 5°C to 40°C
- Humidity: 0 ~ 80 % R.H. (Non-condensing)

Chassis

- 1U Rack mount

Dimensions (HxWxD)

- 43 x 433 x 555 (mm)



Software Functions

RAID

- RAID Modes: RAID 0, 1, 5, 6, 10, JBOD
- Auto-rebuild: Supported
- Hot-swap: Supported
- Online RAID Migration: Supported
- Online 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
- Roaming: Supports roaming to other 1U4200XXX

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: Load balance, Failover, 802.3ad, Balance-XOR, Balance-TLB, Balance-ALB

Data Access

- Client OS Support: Windows 2000/XP/2003/Vista/7 UNIX/Linux Mac OS X
- 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: HTTP/FTP/BT/eMule/NZB (via module)
- 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 interface.

Data Backup

- Client Incremental Data Backup: Acronis True Image (OEM version)
- Client System Disaster Recovery: Acronis True Image (OEM version)
- USB device copy to 1U4200XXX: Through LCM to control
- Snapshot: Supported
- Bi-directional USB Copy: Supported (via module)
- Native Rsync: Supported

Block Level Access

- iSCSI Target/Initiator: Supports Microsoft/Mac OS X/Linux initiators and Thecus NAS targets
- iSCSI Thin Provisioning: Configurable to virtual size as system allowed capacity

Volume Management

- Multiple RAID: Supported
- Selectable File Systems: EXT3/EXT4/XFS/ZFS

Power Management

- Schedule Power On/Off: Supported

Multimedia Support

- iTunes Server: Supports AAC, MP3 w/ID3 tag and WAV
- Photo Web Server (Piczza!™ module):
 1. Supports GIF, JPG (JPEG) and 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, EXT4)/8TB (EXT3) per volume
- Language Support: Unicode Support
- Authorization (ACL): "Read", "write", or "deny" privileges to individual users or groups in folders and sub-folders
- User Quota: Supported

Administration

- User Interface: Web-based user 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 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)

- Thecus Dashboard: Mobile monitoring and administration
- ThecusShare™: Uploading, downloading, and streaming multimedia

Others

- Web Disk: Supported
- Dual DOM: Supported
- Recycled Bin: Supported
- Web Server (Module): Supported
- ISO Mount: Supported
- User module: Supported
- IP CAM Surveillance (Module): Supports up to 5 IP cameras
- USB/eSATA schedule backup (module): Supported
- RAID replication (module): Supported
- Mail server (module): Supported



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

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