



N4100PRO Firmware v2.01.09 Release Note

[Release Date]

June 1, 2009

[Applicable Hardware]

Thecus N4100PRO IP Storage Server

[Software Upgrade/Downgrade Note]

1. After firmware v2.01.09 installed, the new software doesn't allow users to downgrade to any firmware version below v2.01.09.
2. System Configuration Download/Upload does not support different software version.
Reminder : After upgrade to latest firmware, download configuration and save separately.

[New Features/Changes]

- 1) Upgraded Samba version to 3.0.34 for Windows Vista clients with MS Hotfix KB955302 installed.
- 2) Added Secure FTP support.
- 3) Added two selectable modes for Nsync: Incremental and Synchronize.
- 4) Added two HDD test functions: SMART values checking and bad block scanning.
- 5) Added Bonjour service support (Zero-configuration networking by Apple).
- 6) Added XFS support while creating RAID volume.
- 7) Added Samba Native/Compatible mode in Advanced option (Local Master).

[Bug Fixes]

- 1) Polished the language in web interface.

[Limitations]

1. Once the RAID created, there will be about 5% data used by EXT3 file system. The capacity stores the journal and inodes; which are necessary to keep RAID data safer.
2. RAID Expansion: When changing the RAID 5 configuration from four smaller disks to four bigger disks, you have to change one disk at a time and then rebuild the RAID. Lastly, click on "Expand" button to resize the total capacity.
3. Supports the following USB wireless dongles only. And it has to be installed before NAS booting up, no PnP.

[ZyDAS ZD1211]

- a. 3Com 3CRUSB10075 (Manufacture ID: 6891, Device ID: A727)
- b. Zyxel G220USB (Manufacture ID: 0586, Device ID: 3401)
- c. PCI GW-US54mini (Manufacture ID: 14EA, Device ID: AB13)

[ZyDAS ZD1211B]



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- d. Zyxel ZyAIR G-220 V2 (Manufacture ID: 0586, Device ID: 340F)
4. NFS share is limited to public folders. In case you enable an NFS share on non-public (ACL) folder, the NFS client could successfully mount it but won't be able to read/write files.
 5. HTTP and HTTPS ports should follow the rules given below.
 - Larger than 1024
 - Could not use 3169
 - Port 80 (HTTP) and 443 (HTTPS) are allowed
 6. If AC power lost during RAID building, admin has to manually resume it through Web GUI.
 - a. You will see "Total Capacity: N/A" after building process completed.
 - b. Manually remove RAID.
 - c. Create RAID again.
 7. RAID rebuild : in case one HDD failed in RAID 1, 5, 6, and 10 configuration, please hot unplug failed one and hot plug in new one; then RAID rebuilding will automatically start. If the replacement is done after NAS rebooting or shutdown, administrator has to manually add spare in Admin Web GUI to start the RAID rebuilding.
 8. When adding an HDD into JBOD RAID, all services such as WebDisk, SMB/CIFS, and FTP will be temporarily disabled. Once the JBOD resizing completes, all services will be turned on according to original settings.
 9. To enable ADS support for Small Business Server 2003, we recommend do not install ISA server. Otherwise, N4100PRO may fail to join the AD.
 10. Mac OS Limitations
 - a. When using Mac OS X (post 10.2 with AppleTalk) without SMB, do not use Japanese characters in folder or file names to prevent errors accessing the data over a network.
 - b. Mac OS 9 and Mac OS X can not see files on the network with names made up of over 32 characters.
 - c. Mac OS 8.x/9.x only support local character encoding on file names (without Unicode support).
 - d. Occasionally, when a file is accessed by a Mac OS computer within a shared folder, an information file will be created in the same folder. If the file is then deleted by a Windows OS computer, the original file may no longer be accessible by Mac OS computers.
 - e. The following characters are not allowed to be included in the name used for a file or shared folder when using Mac OS (AppleTalk) devices.
? [] / \ = + < > ; : " , | *
 - f. Writing a file larger than 2 GB is not allowed by MAC OS-9.
 11. NAS needs about 3~5 minutes to broadcast/register itself to other Mac OS through AppleTalk after booting up and service enabled.



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12. WebDisk : Only UTF-8 file name is supported.
13. Please do not use Traditional Chinese and Simplified Chinese character sets in share folder's name. It might cause share folders permission error, and no body could access any folders. However, using above two character sets in the sub-folders is okay.
14. File size has to be less than 1GB to be uploaded to the N4100PRO from web browsers. FTP software has no such limitation.
15. File names and folder names should not contain more than 250 characters in their entire directory path to prevent errors occur in the file copy operations.
16. The following characters are not allowed to be included in the name used for files or folders on the N4100PRO.
/ \ : * ? " < > | [] = + ; ,
17. When copying a file that uses superscript in its file name (common with some international character sets), the date and time attributes may not be properly set on the N4100PRO for that particular file.
18. File and directory attributes can not be modified by an FTP client when the N4100PRO FTP server is enabled.
19. Anonymous FTP user could upload files into public folders but could not delete them.
20. UPnP function only works on WAN interface.
21. The create date is the same with modify date for every file copied into the NAS.
22. N4100PRO supports Setup Wizard v1.1.99 or later.
23. Single file size upper limitation: 2TB
24. The file downloaded from N4100PRO via Microsoft IE might include extension index number in its file name.
25. Windows 95/98 clients can not display files with double-byte file name correctly. Because of Windows 95/98 compatibility issues, share folder name may have a problem when it is longer than 12 characters.

[Known Problems]

1. USB device (including USB UPS) didn't work after NAS rebooting. NAS admin has to re-plug in again to workaround it. For USB UPS, re-plug in and then re-enable it thru admin Web UI please.
2. Could not completely delete share folders if SMB/CIFS users are using the share files.
3. Web GUI : Can not login Web UI when the NetBIOS name is with an underscore.
4. Failed to edit or delete a folder that its folder name contains a superscript "".
5. MAC OS 9 Apple network browser sometimes freezes for 5~10 minutes after selecting N5200; however, using afp://IP always works fine on both MAC OS-9/X

[Attention]

- 1. During firmware upgrade process, it is imperative that user DO NOT turn off the power to N4100PRO or closes the browser window. This will lead to catastrophic**



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result. If your browser is set to cache the screen, after firmware upgrade has started for 5 minutes, please press CTRL-F5 to reload browser screen from server instead of from browser cache.

2. When installing the Windows Wizard program of N4100PRO on WinXP Professional SP1 or SP2, the firewall UDP ports 10000 and 10001 need to be opened.
3. Reset to factory default function automatically resets all the system settings including network settings, administrator password, user groups, language setting, system notification setting, and time zone setting.
4. Users should obey the international RF regulatory rules as they set up the wireless RF channel on the N4100PRO. The RF operating channels for different regions have been specified as following. Thecus has no responsibility for users attempting to violate the international RF regulation.
 - 11 for N. America
 - 14 Japan
 - 13 Europe (ETSI)
 - 2 Spain
 - 4 France