Zyxel

Firmware Release Note

NSA325

Release V4.81(AAAJ.1)C0

Release V4.81(AAAJ.1)C0

Release Notes

Date: July 21 2017

Supported Platforms:

ZyXEL NSA325

Release Package:

File name	Description
481AAAJ1C0.bin	NSA Firmware Package for standard version
481AAAJ1C0.pdf	Firmware release note

Installation Notes:

Install/Upgrade Method	Procedure
FW Upgrade from GUI	1. Login to GUI page: Administration > Maintenance -> Fw Upgrade. 2. Select <firmware version>.bin and click the upgrade button. System will show progress percentage after upload <firmware version>.bin to system memory. 3. System will auto reboot 4. New Firmware should apply

Features

Modification in NSA325 V4.81(AAAJ.1)C0 | July/21/2017

[Enhancement]
- Apply the official patch from Samba to fix CVE-2017-7494
- Turn off TLSv1.0 and TLSv1.1 and revise the cipher suite to enhance the security of HTTP and FTP.

Modification in NSA325 V4.81(AAAJ.0)C0 | May/19/2016

[Enhancement]
- Hide the httpd version information for security consideration.
- Reboots the device when servername is modified to make sure all the services apply the correct servername

ZyXEL Confidential

[Bug fixed]
- Fixed the ftp security issue.
- Fixed the issue that the scheduled tasks, including backup plan and power schedule, don't execute at the right time when daylight saving is enabled.

[Package]
[NZBGet]
- Upgrade unrar to untar more files which was compressed by newer compress tool

[Memopal]
Take off redundant double quotes while executing memopal

[GoogleDrive]
1. Fix that GoogleDriveClient won't update if the sync path contains blank
2. Only remove the folder's contents instead of the entire folder while users delete there accounts

[BackupPlanner]
Modify daylight saving for schedule job

Modification in V4.80(AAAJ.1)C0 | Jan/27/2016
[Bug Fix]
- Bug fixed.

Modification in V4.80(AAAJ.0)C0 | May/27/2015
[New feature]
- Support myZyXELcloud
- Support IMDB API enquiry so that the App shows the poster of the movie when users browse the list video files.

[Enhancement]
- Upgrade Twonky to 7.2.10
- Upgrade openssl to 1.0.1j
- Add alert logs for some specific events
- Disable SSL v2/v3 for secure issue
- Enhance the compatibility of UPnP port mapping with VMG8924-B10A

[Bug fix]
- RSS Feed can't download files via Broadcatching
- SMTP Issue in Log(Authentication setting is missing after device reboot)
- GUI crash when using SMTP Log
- Cannot insert underscore "_" in the text box and send log to email Use mdadm to monitor the status of raid and send the log when the raid degraded
- Modify the method to get server path (Web_Prefix)
- Patch glibc to fix GHOST issue (CVE-2015-0235).
- Patch Samba to fix CVE-2015-0240.
- Google Chrome login NAS admin Page, pop up message display wrong.

ZyXEL Confidential

Modification in V4.71(AAAJ.0) | 08/29/2014
[Bug fix]
>   The solutions to the followings issues reported by CSO are involved in this version.
- Playzone move / copy to external HDD fails
- Schedule plan weekly cause NSA unreachable bootloop
- User Playzone view
- YouTube Account issue
- NAS -> USB Sync don´t delete folder on external hdd
- Mount CIFS under Linux cause web gui dead
- Twonky Startup Scan
- Without longer boot time USB detection
- Create new folder of video_1, if login default video folder, will find video_1also and auto sync with new folder of video_1.
- Playzone cannot copy file
- External HDD change settings in GUI
- No desktop view on IOS
- Twonky – Samba(LG TV string display issue)
- NSA-Series / FlickR service unavailable with F/W v4.70
- Ftp problem
- Time Machine enhance allow 4 Mac OS backup at same time.

Known Issues:
- If FTP Encoding incompatible with FTP client, some files will have odd file names which Media server cannot support.
- Download Service may not always be able to download 10 at a time. It will depend on how much free memory is left on the system at that time.
- You cannot copy or move files/folders with a name that includes any of the following characters:
    - " (double quote)
    - / (forward slash)
    - \ (backslash)
    - : (colon)
    - | (pipe)
    - < (less than)
    - > (greater than)
    - ; (semicolon)
    - , (comma)
    - ? (question mark)
    - * (asterisk)
- Media Server May Not Support the following Formats:

- o gif
- o tif
- o asf
- o m2p
- o dvr-ms
- o ogg
- Broadcatching cannot work with YouTube RSS Feeds
- Share Name or Share Path cannot be longer 200 characters
- iTunes cannot play video published by iTunes Server
- DyDNS provider 3322 only accept IP address from China
- **Twonky mediaserver related function is NOT compatible with IPv6, which includes streaming by Twonkey or playzone through IPv6. The Web page of Twonky is NOT accessible through IPv6 either.**
- Some strings would be in English when the language setting is in Russian or French. Customers agree with that.
- Decompressed files with any file larger than 2GB inside it can't be decompressed successfully.
- It takes about a minute to open another HTTP port or enforce https.

Complete Features List:

- Copy/Sync for Copy Button feature
- Link
  xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
  xxxxxxxxxx
  Browser Plug-in: Supports IE (for Windows) and Firefox (for all platform)
- Support IPOD web-streaming
- Menu
  - ⇨ Show System Information
  - ⇨ Show Volume Status
  - ⇨ Show Active Session(samba)
  - ⇨ Show UPS Current Capacity
  - ⇨ Show Temperature, CPU Loading, Memory Usage, Fan Speed
- Storage.
  - ⇨ RAID 1.
  - ⇨ JBOD
  - ⇨ External USB Disk
    (Read/write support following filesystem: NTFS, FAT16/FAT32, EXT2, EXT3, ReiserFS)
    (Read only support : ISO9660, UDF)
  - ⇨ Support 4TB volume size
  - ⇨ When Creating Volume, will show volume status with "Create Volume" in the storage page and system status page.
  - ⇨ RAID Migration: 1disk JBOD -> 2 disk RAID1
  - ⇨ PTP Support (Digital Camera Support)
- Share Management

ZyXEL Confidential

- ⇨ Recycle Bin
- ⇨ Create/Modify/Delete Share.
- ⇨ Access control (public share/private share/advanced share).
- ⇨ Support maximum 100 share.
- ⇨ Publish Share to Media Server.
- ⇨ Share Browsing/Folder Browsing.
  - ◆ Copy/Move/Create Folder/Delete Folder/file
  - ◆ Upload File
  - ◆ Rename File/Folder
- ■ Account Management
  - ◆ User Groups
  - ⇨ Create/Modify/Delete Account.
  - ⇨ Support maximum 512 user accounts.
  - ⇨ User Quota Support (for XFS only)
- ■ System
  - ⇨ Date & Time (NTP / Manual Setting)
    - ✓ Time Zone
    - ✓ Manual Daylight Saving
    - ✓ Auto Daylight Saving
- ■ Network
  - ◆ PPPoE Client Support (also supported in NDU client)
  - ◆ No Master Browser Setting: Allow Unicode Computer Names in same workgroup
  - ⇨ Jumbo Frames
  - ⇨ Setting DHCP/Static IP. (IPv4/**IPv6**)
  - ⇨ Setting DNS Server.
  - ⇨ Ftp Server.(Connection Limit range from 1~20 , Idle Timeout range from 30 ~ 300 MINUTES, Customize Passive Mode Port Range)
  - ⇨ FTP Server Custom Character Encoding
  - ⇨ Support additional HTTP Configuration Port Number Selection
- ■ AutoUpload
  - ■ Automatically Upload Files to Flickr or YouTube
  - ■ Having log when en-queued files, file uploaded
- ■ FTP Uploadr
- ■ AutoUpload
  - ■ Automatically Upload Files to Flickr or YouTube
  - ■ Having log when en-queued files, file uploaded
- ■ Media Server. (Media Server changed Solution)
  - ⇨ Publish file types.
  - ⇨ Publish Shares.
  - ⇨ iTunes Server Support
  - ⇨ DLNA 1.5 Support
  - ⇨ XBOX360 Support
  - ⇨ File-extension support:
  - ⇨ Supported format
    - ◆ Audio: LPCM (not supported as a file format), MP3, WMA,M4A, M4B, MP4, 3GP, WAV,

ZyXEL Confidential

OGG, FLAC, AAC, MP2, AC3, MPA, MP1, AIF,ASF, FLV, DSD
- ◆ Images: JPEG, PNG, TIF, TIFF, BMP, GIF
- ◆ Video: WMV, MPEG2, MP1, MPG, SPTS, MP4, AVI, VOB, DivX, 3GP, VDR, MPE, DVR-MS, Xvid, M1V, M4V, MOV, MPV, MKV, OGG,FLV, MTS

- ■ **Dropbox**
  - ■ Enable dropbox
  - ■ Disable dropbox
- ■ Printer Server
  - ⇨ Add / Delete Printer
  - ⇨ Cancel Print Job
- ■ Download Service
  - ⇨ Download P2P download, HTTP, or FTP files
  - ⇨ FTP authentication supported
  - ⇨ Pause, Delete, Continue Downloads
  - ⇨ Priority
  - ⇨ Max 10 items job processing
  - ⇨ Support Configure Maximum Number of Seeding Job
  - ⇨ Two Keep Seeding Criteria Support: Upload/Download Ratio and Seeding Time
  - ⇨ Resume Completed Torrent Job to Do Seeding Again.
  - ⇨ Support Show Detail Job Information and Configure Comment for Each Job
  - ⇨ Support Download Service Download Period Control
  - ⇨ Support IP Filter Table Management
  - ⇨ Support Encryption in BT Protocol
  - ⇨ Open Share Browser on Location of Completed Job to See Download Files.
  - ⇨ Configurable Maximum number of Connections (max is 500)
- ■ Download Service Notification (RSS Server): Notify Downloaded File from Download Service / Broadcatching Torrent Job
- ■ Broadcatching
  - ⇨ Add RSS 2.0 Feeds with enclosures Only
  - ⇨ Invalid feeds will show red color
  - ⇨ Support encoding other than UTF-8
- ■ Package Management
  - ⇨ Retrieve Package List (from internet server)
  - ⇨ Install/Upgrade package
  - ⇨ Uninstall package
  - ⇨ Enable package
  - ⇨ Disable package
  - ⇨ Cancel Install package
- ■ Packages:
  - ⇨ SqueezeCenter
  - ⇨ MySQL / PHP / phpMyAdmin

- ⇨ S.M.A.R.T.
- ⇨ DyDNS Client
  - ◆ DynDNS (http://www.dyndns.com/)
  - ◆ No-IP (http://www.no-ip.com/)
  - ◆ 3322 (http://www.3322.org/)
  - ◆ zoneEdit (http://www.zoneedit.com/)
  - ◆ DHS (http://www.dhs.org/)
- ⇨ Gallery (Album)
- ⇨ WordPress (Blog)
- ⇨ NFS
- ⇨ BackupPlanner
  - ◆ Backup
  - ◆ Restore
- ■ Maintenance
  - ⇨ Configuration backup/restore.
  - ⇨ UPS shutdown capacity (Not supported in this version yet)
  - ⇨ Power Management
    - ● Power Resume
    - ● Power Control Schedule
  - ⇨ SSL: HTTPS, FTPS, Force HTTPS support, CA Management Support
  - ⇨ FW Upgrade:
    - ● FW Upgrade by uploading FW file.
    - ● On-Line FW Upgrade.
  - ⇨ System shutdown/restart.
  - ⇨ High Temperature Buzzer alert support
  - ⇨ Over Temperature auto-shutdown support
  - ⇨ Logs
    - ● E-mail Alert (for emergency log of selected log classes) in plain text or HTML
    - ● E-mail Report (for selected log classes) in plain text or HTML
- ■ Mobile Utility
  - ◆ zMedia: An Android App, which discovers NAS on the LAN and connects to the mobile web GUI.
  - ◆ zCloud: An app, which enjoy media content by NAS.

ZyXEL Confidential