



Firmware Release Note

NSA325 v2

Release V4.81(AALS.1)C0

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Release Notes

Date: July 21 2017

Supported Platforms:

ZyXEL NSA325 v2

Release Package:

File name	Description
481AALS1C0.bin	NSA Firmware Package for standard version
481AALS1C0.pdf	Firmware release note

Installation Notes:

Install/Upgrade Method	Procedure
FW Upgrade from GUI	<ol style="list-style-type: none">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 reboot4. New Firmware should apply

Features

Modification in V4.81(AALS.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 V4.81(AALS.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

[Bug fixed]

- Fixed the ftp security issue.

<http://www.zyxel.com>

- 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(AALS.1)C0 | Jan/27/2016

[Bug Fix]

- Fixed abnormal bug.

Modification in V4.80(AALS.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.

Modification in V4.71(AALS.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_1 also 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:
 - gif
 - tif
 - asf
 - m2p
 - dvr-ms
 - 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
XXX
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: 1 disk JBOD -> 2 disk RAID1
 - ⇒ PTP Support (Digital Camera Support)
- Share Management
 - ⇒ 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, 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.