

NR5101

Official Version

Firmware Release Note

V1.00(ABVC.6)C1

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|-----------|---------------|
| Date: | Dec, 12, 2022 |
| Author: | Leonard Wei |
| Reviewer: | Nils Lin |

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Revision History

| Date | Release | Author | Description |
|------------|---------|-------------|----------------------------------|
| 2020/12/31 | 1.0 | Jeffary Lo | V1.00(ABVC.0)C0 First FW release |
| 2021/05/13 | 1.1 | Roland Lin | V1.00(ABVC.1)C0 FW release |
| 2021/07/12 | 1.2 | Roland Lin | V1.00(ABVC.2)C0 FW release |
| 2021/09/10 | 1.3 | Roland Lin | V1.00(ABVC.3)C0 FW release |
| 2022/01/12 | 1.4 | Roland Lin | V1.00(ABVC.4)C0 FW release |
| 2022/05/19 | 1.5 | Leonard Wei | V1.00(ABVC.5)C0 FW release |
| 2022/12/12 | 1.6 | Leonard Wei | V1.00(ABVC.6)C1 FW release |

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V1.00 (ABVC.6)C1

Release Note

Date: 2022/12/12

Supported Platforms:

ZYXEL NR5101 Generic

Versions:

Firmware version: V1.00(ABVC.6)C1

Bootbase version: U-Boot 1.1.3 (Dec 15 2020 - 21:06:06)

Kernel version: 4.4.198

WLAN driver version: v7.1.0.2 CP2

LTE Firmware version: RG502QEAAAR11A03M4G

Firmware image information:

| Image | Version | File name | MD5 sum |
|----------|------------------|---------------------|----------------------------------|
| FW Image | V1.00 (ABVC.6)C1 | V1.00(ABVC.6)C1.bin | 78a2a82d03ed31e49f8b26cde9c1cfda |

Notes:

N/A

Modifications in V1.00(ABVC.6)C1

Know defects

1. The WebGUI of Cellular Lock needs to be redesigned to restrict the input options, otherwise if the user input a band which is not supported by the module, this feature won't work properly.

Feature Enhancement/Configuration Changing

1. Unable to set device NAT to Enabled via TR-069 ACS server.
2. Translation errors in various languages.

Fixed Defects

1. [Zyxel-SI-1377] Fix specific URL get cleartext storage of sensitive information
2. [Zyxel-SI-1433] Fixed specific unauthenticated buffer overflow, post authentication buffer overflow and command injection.

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V1.00 (ABVC.5)C0

Release Note

Date: 2022/05/19

Modifications in V1.00(ABVC.5)C0

Know defects

N/A

Feature Enhancement/Configuration Changing

1. Disable DSS by default in router firmware
2. Enable network monitor by default
3. Modify and add APN in APN list
4. Schedule Fota Interval

Fixed Defects

1. WiFi 2.4GHz/5GHz Guest SSIDs has no WPS function, so TR069 Parameter Values should be "0" or empty.
2. [Zyxel-SI-1377] Fix specific URL get cleartext storage of sensitive information
3. [Zyxel-SI-1405] Infinite loop in BN_mod_sqrt() of OpenSSL when parsing certificates
4. Fix the command injection issue while setting Wi-Fi SSID

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V1.00 (ABVC.4)C0

Release Note

Date: 2022/01/12

Modifications in V1.00(ABVC.4)C0

Know defects

N/A

Feature Enhancement/Configuration Changing

1. VoLTE function enhancement
2. The WiFi Channel option list for WiFi 2.4GHz and WiFi 5GHz are displayed incorrect
3. WiFi country code correction

Fixed Defects

1. Multi-APN operation defect
2. Mass UDP packets impact Web-GUI operation

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V1.00 (ABVC.3)C0

Release Note

Date: 2021/09/10

Modifications in V1.00(ABVC.3)C0

Know defects

N/A

Feature Enhancement/Configuration Changing

1. Enhance 5G cell id/band details/frequency and 3G PSC on Cellular Info page.
2. Enhance NR5G band selection function

Fixed Defects

1. After the device restore configuration, the remote management settings did not match the backup configuration file.
2. If the "default gateway" of Cellular WAN 1 is set to disabled, the "Default Gateway" status is still displayed "Y" not "N" on Broadband setting page.
3. At ENDC mode, the LTE-A SCC information is not displayed.
4. RRC UE capability information does not show NR5101 NR5G supported bands.

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V1.00 (ABVC.2)C0

Release Note

Date: 2021/07/12

Modifications in V1.00(ABVC.2)C0

Know defects

N/A

Feature Enhancement/Configuration Changing

1. Enhance WPS indicator behavior
2. There is no Cellular band tab on Broadband setting page.
3. The WAN Information of APN1 and APN2 are displayed oppositely on the System Info page.
4. Support FOTA upgrade for router firmware.

Fixed Defects

1. [Zyxel-SI-1433] Fixed specific unauthenticated buffer overflow, post authentication buffer overflow and command injection.
2. The WSM20 WiFi agent cannot re-onboarding to CPE after FW upgraded.
3. Network monitoring and remote management defect function correction
4. Restart button on the portal page defect behavior correction

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V1.00 (ABVC.1)C0

Release Note

Date: 2021/05/13

Modifications in V1.00(ABVC.1)C0

Know defects

N/A

Feature Enhancement/Configuration Changing

1. Cellular module upgrade enhancement
2. PIN Code operation enhancement
3. The SMS function improvement
4. Add PIN unlock function on Wizard page.
5. Support 5G N78 SA mode connection.
6. Change DFOTA module FW upgrade to admin permission.
7. Support firmware encryption and decryption.
8. Band32 can only be used in SCC band, this option should be removed from the Band Selection options list on Cellular Band page.
9. Support WPA3.

Fixed Defects

1. The WLAN Scheduler settings page is easy to shows "Forbidden" warning message.
2. After enable the WLAN Scheduler function and setting WiFi 2.4GHz or WiFi 5GHz to enabled, the WiFi Channel will display incorrectly.
3. If user sets the SSID as a special character, the SSID field on the Edit Rule page of the WLAN Scheduler will display empty.
4. After press the Apply button on WLAN Scheduler setting page, there is no displayed setting success reminder.
5. The primary WAN information should be displayed based on the current line type.
6. The LED internet indicator lights with green when IPPT mode changing within NR5G cellular service.
7. The primary WAN information should be displayed based on the current line type.
8. When the router mode is changed to IPPT mode, the Remote Management service control settings of APN 2 will not be activated immediately, user have to do extra APN1 setting to active the setting.
9. The description wording of WPS Method 3 mode is overlapped.
10. The device is displayed incorrect connection Band as "LTE_BC9360" in SCC information.
11. The Vo3G call establishment is unsuccessful, and the outgoing number is displayed incorrectly on the call history page.
12. The default password of the device is displayed incorrectly on the "Backup/Restore" page.
13. When the Ethernet WAN function is enabled, the Internet indicator will be off.
14. The LTE strength indicator LED always light with Red when DUT is connected to 5G NR-SA Mode.
15. After reset to default the Ethernet WAN setting page will disappear.
16. Sometimes after reset to default the IPPT Mode setting page will disappear.
17. Client cannot connect to device via scan WiFi connection QR Code when WiFi security mode set to WPA3-SAE.
18. The function of Local FW upgrade from WebGUI is not ready.
19. If change the device WiFi settings for multiple times, WiFi 2.4GHz / 5GHz will change the settings to "No Security Mode".

20. Client cannot connection with device when the WiFi password set to 64 characters in WPA3-SAE and WPA3-SAE/WPA2-PSK security mode.
21. There are no displayed any WiFi clients connection information on WLAN Station Status page.
22. The WPS Method 3 function will cause WiFi SSID become empty and Security Mode changed setting to WPA3-SAE.
23. The LTE SCC information is displayed incomplete.
24. The WPS Method 3 function will cause WiFi SSID become empty and Security Mode changed setting to WPA3-SAE.
25. The USB LED indicator shows light blue instead of blue.
26. The LAN MAC displayed on the WebGUI is random and it will cause mismatched with the device label.
27. The 802.11 Mode information of 5GHz WLAN is displayed misalignment.

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Release Note

Date: 2020/12/31

Notes:

Initial Release