

VMG8324-B10A VMG8924-B10A Standard Version

Firmware Release Note

V1.00(AAKL.7)C0

Date: Dec, 12, 2014
Author: Wood Huang
Reviewer: Wood Huang

THIS DOCUMENT CONTAINS PROPRIETARY TECHNICAL INFORMATION THAT IS THE PROPERTY OF THE ZyXEL AND SHOULD NOT BE DISCLOSED TO OTHERS IN WHOLE OR IN PART, REPRODUCED, COPIED, OR USED AS BASIS FOR DESIGN, MANUFACTURING OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION OF ZyXEL.

TABLE OF CONTENTS

REVISION HISTORY	4
SUPPORTED PLATFORMS:	5
VERSIONS:	5
NOTES:	6
MODIFICATIONS IN V1.00(AAKL.7)C0	7
MODIFICATIONS IN V1.00(AAKL.7)B2	7
MODIFICATIONS IN V1.00(AAKL.7)B1	7
MODIFICATIONS IN V1.00(AAKL.6)C0	7
MODIFICATIONS IN V1.00(AAKL.6)B5	7
MODIFICATIONS IN V1.00(AAKL.6)B4	7
MODIFICATIONS IN V1.00(AAKL.6)B3	7
MODIFICATIONS IN V1.00(AAKL.6)B2	8
MODIFICATIONS IN V1.00(AAKL.6)B1	11
MODIFICATIONS IN V1.00(AAKL.5)C0	20
MODIFICATIONS IN V1.00(AAKL.5)B5	20
MODIFICATIONS IN V1.00(AAKL.5)B4	21
MODIFICATIONS IN V1.00(AAKL.5)B3	22
MODIFICATIONS IN V1.00(AAKL.5)B2	23
MODIFICATIONS IN V1.00(AAKL.5)B1	26
MODIFICATIONS IN V1.00(AAKL.4)C0	28
MODIFICATIONS IN V1.00(AAKL.4)B3	28
MODIFICATIONS IN V1.00(AAKL.4)B2	28
MODIFICATIONS IN V1.00(AAKL.4)B1	29
MODIFICATIONS IN V1.00(AAKL.3)C0	30
MODIFICATIONS IN V1.00(AAKL.3)B3	30
MODIFICATIONS IN V1.00(AAKL.3)B2	31

MODIFICATIONS IN V1.00(AAKL.3)B1	32
MODIFICATIONS IN V1.00(AAKL.2)B1	34
MODIFICATIONS IN V1.00(AAKL.1)B2	35
MODIFICATIONS IN V1.00(AAKL.1)B1	35
MODIFICATIONS IN V1.00(AAKL.0)C0	37
MODIFICATIONS IN V1.00(AAKL.0)B2	37
MODIFICATIONS IN V1.00(AAKL.0)B1	38
DEFAULT SETTINGS IN V1.00(AAKL.7)C0.....	38
PUBLIC DOMAIN SOFTWARE ANNOUNCEMENTS	39

Revision History

Date	Release	Author	Description
2013/04/29	1.0	Wood Huang	FW release for V1.00(AAKL.0)b1
2013/05/10	1.0	Wood Huang	FW release for V1.00(AAKL.0)b2
2013/05/29	1.0	Wood Huang	FW release for V1.00(AAKL.0)C0
2013/07/30	2.0	Wood Huang	FW release for V1.00(AAKL.1)b1
2013/08/20	2.1	Wood Huang	FW release for V1.00(AAKL.1)b2
2013/10/16	3.0	Wood Huang	FW release for V1.00(AAKL.2)b1
2013/11/27	4.0	Wood Huang	FW release for V1.00(AAKL.3)b1
2014/01/02	5.0	Cj Lai	FW release for V1.00(AAKL.3)b2
2014/02/14	6.0	Cj Lai	FW release for V1.00(AAKL.3)b3
2014/03/10	7.0	Cj Lai	FW release for V1.00(AAKL.3)C0
2014/03/10	8.0	Cj Lai	FW release for V1.00(AAKL.4)b1
2014/03/27	9.0	Cj Lai	FW release for V1.00(AAKL.4)b2
2014/04/08	10.0	Cj Lai	FW release for V1.00(AAKL.4)b3
2014/04/23	11.0	Cj Lai	FW release for V1.00(AAKL.4)C0
2014/04/24	12.0	Wood Huang	FW release for V1.00(AAKL.5)b1
2014/05/20	12.1	Wood Huang	FW release for V1.00(AAKL.5)b2
2014/05/29	12.2	Cj Lai	FW release for V1.00(AAKL.5)b3
2014/06/11	12.3	Wood Huang	FW release for V1.00(AAKL.5)b4
2014/07/11	12.4	Wood Huang	FW release for V1.00(AAKL.5)b5
2014/07/21	13.0	Wood Huang	FW release for V1.00(AAKL.5)C0
2014/08/19	13.1	Wood Huang	FW release for V1.00(AAKL.6)b1
2014/09/17	13.2	Wood Huang	FW release for V1.00(AAKL.6)b2
2014/10/21	13.3	Wood Huang	FW release for V1.00(AAKL.6)b3
2014/10/31	13.4	Wood Huang	FW release for V1.00(AAKL.6)b4
2014/11/06	13.5	Wood Huang	FW release for V1.00(AAKL.6)b5
2014/11/10	14.0	Wood Huang	FW release for V1.00(AAKL.6)C0
2014/12/09	14.1	Wood Huang	FW release for V1.00(AAKL.7)b1
2014/12/11	14.2	Wood Huang	FW release for V1.00(AAKL.7)b2
2014/12/12	15.0	Wood Huang	FW release for V1.00(AAKL.7)C0



ZyXEL VMG8924-B10A V1.00(AAKL.7)C0 Release Note

Date: Dec. 12, 2014

Supported Platforms:

ZyXEL VMG8924-B10A & VMG8324-B10A

Versions:

Bootbase version: V1.65 | 06/24/2014 16:23:59

Firmware version: V1.00(AAKL.7)C0

Kernel version: 2.6.30

DSL mode code version: A2pv6F039i

DSL driver version: d24e

WLAN code version: 6.30.163.23.cpe4.12L06B.1

Voice code version: 4.12L.06 May 11 2012 11:58:17 IPTK 8.2.2

3G dongle WWAN package version: V1.07

APP agent version : 1.0.1

Notes:

1. QoS Monitor will show only if QoS software Queue is used.
Qos software queue is created if rate limit or WFQ is configured.
2. 802.11ac is supported with 4360 WLAN adaptor (VMG8924-B10A model).
3. WPS lock down: 10 failures in 300 seconds.

Modifications in V1.00(AAKL.7)C0

1. Base on V1.00(AAKL.7)b2 to release V1.00(AAKL.7)C0

Modifications in V1.00(AAKL.7)b2

1. Base on V1.00(AAKL.7)b1 to release V1.00(AAKL.7)b2
2. [ITS# 140900489] MyZyXEL DDNS doesn't update.

Modifications in V1.00(AAKL.7)b1

1. Base on V1.00(AAKL.6)C0 to release V1.00(AAKL.7)b1
2. [ITS# 141200040] Wifi password mangled after upgrade FW from V1.00(AAKL.5)C0 before.

Modifications in V1.00(AAKL.6)C0

1. Base on V1.00(AAKL.6)b5 to release V1.00(AAKL.6)C0

Modifications in V1.00(AAKL.6)b5

1. Base on V1.00(AAKL.6)b4 to release V1.00(AAKL.6)b5
- [FEATURE ENHANCED]**
1. [Wireless] Disable WDS by default.
- [BUG FIX]**
1. [WPS][SPRID# 141104106] WPS can't work.

Modifications in V1.00(AAKL.6)b4

1. Base on V1.00(AAKL.6)b3 to release V1.00(AAKL.6)b4
- [FEATURE ENHANCED]**
1. [WPS] Separate enable/disable button for different WPS methods.
- [BUG FIX]**
1. [TR69][ITS# 140600099] TR-069 Logs not displayed under the System Monitor
 2. [DHCP][ITS# 140800519] DHCP renew package will pass through wrong interface.
 3. [WAN][SPRID# 141028889] Change max number of PVC to 9.
 4. [GUI][IST# 141100045] Login page usually show IsKon icon.

Modifications in V1.00(AAKL.6)b3

1. Base on V1.00(AAKL.6)b2 to release V1.00(AAKL.6)b3
- [FEATURE ENHANCED]**

1. [DHCP][ITS# 140800600] Support DHCP option 43 configuration for LAN STBs.
2. [IGMP/MLD] allow user to setup IGMP in GUI.

[BUG FIX]

1. [UPnP][SPRID# 140715284] UPnP NAT-T rule by special string(rule name: {}|<?), GUI display incorrect info.
2. [TR069][ITS# 140800837] The tr069 client of CPE doesn't send Event "1 BOOT" and "0 BOOTSTRAP".
3. [TR069][ITS# 140501343] TR069 SPV (Set Parameter Value) does not work for setting up WAN PPP Username & Password for multiple WAN interfaces.
4. [TR069][ITS# 140900337] TR069 3G parameters are missing.
5. [DDNS][ITS# 140900489] MyZyXEL DDNS doesn't update.
6. [Concurrent WAN][SPRID# 140904219] Support ConCurrent WAN feature in Broadband > WAN interface Edit. Follow the lantiq the default broadband interface need apply as default gateway.
7. [Concurrent WAN][SPRID# 140924491] Can't enable concurrent WAN.
8. [Firewall][SPRID# 140414580] Couldn't ping the DUT from lan when Deny Ping Response is enabled.
9. [GUI] Web style of "Line" in "xDSL Statistics" webpage can't display properly.
10. [Parent Control] Incorrect display when end-user add PCP rule of "Allow the Web Site".
Condition:
 1. Add PCP rule, select "Allow the web URLs".
 2. Click Add button, you can see it display "Blocked Site/URL Keyword".

Modifications in V1.00(AAKL.6)b2

1. Base on V1.00(AAKL.6)b1 to release V1.00(AAKL.6)b2

[FEATURE ENHANCED]

1. [TR069][ITS# 140204376] The Connection Request URL should refer to ACS URL format. If the ACS URL is IPv4/IPv6 format, the Connection Request URL will be use IPv4/IPv6 address of WAN to generate.
2. [WAN][SPRID# 140904219][ITS# 140701418] Support ConCurrent WAN feature in Broadband > WAN interface Edit. Follow the lantiq the default broadband interface need apply as default gateway.
3. [CLI] Add command to change wan interface to PPPOA.
Usage: type "wan" to see the detailed usage
4. [TR069] When user disable option 43, CPE doesn't need to parse ACS URL from DHCP offer packet.

5. [3G] Update the 3G WWAN package to 1.07 for support E303h-1,DWM-156-A3.
6. [GUI] Shorten Web Page loading time for pages including networkMap, Status, Wireless general and others)

[FEATURE MODIFIED]

1. [Telnet] Limit the telnet session to one session.

[BUG FIX]

1. [STB Vendor ID][SPRID# 130808145] For STB Vendor ID feature, a mismatch Vendor ID should not add into static DHCP list.

Condition:

1. Config Vendor ID as facebook_frank in STB Vendor ID
2. A client with Vendor ID facebook_frank1 connect to DUT LAN port and get IP
3. Result:DHCP static IP entry is added and shown on GUI

2. [TR069][SPRID# 131203132] CPE return 9002 after ACS GetParameterValues to partial path.

Condition:

1. ACS GetParameterValues "InternetGatewayDevice."
2. CPE return Fault(9002): Internal Error

3. [TR069][SPRID# 131210553] Fail to request IPPingDiagnostics, CPE reply Fault(9003): Invalid arguments.

Condition:

1. SetValue InternetGatewayDevice.IPPingDiagnostics.

Host=8.8.8.8

Interface=InternetGatewayDevice.WANDevice.2.WANConnectionDevice.1.WANIPConnection.1

DiagnosticsState=Requested

2. CPE reply Fault(9003): Invalid arguments

4. [IPsec VPN][SPVD# 97] The IPsec VPN rule's content display difference between end-user import certificate or not.

Condition:

1. By default, create IPsec VPN rule, the rule's content display some basic parameters.
2. And then import certificate, create IPsec VPN rule, the rule's content display blank.

5. [LAN][SPVD# 99] DUT can configure illegal LAN IP address.

Condition:

1. Configure LAN IP address as "x.x.x.0/24", DUT can work well and the WebGUI can be reached by "192.168.1.0".

2. Configure LAN IP address as "x.x.x.255/24", DUT will pop-up error message. Close the pop-up window, and click Apply button, DUT still changes its IP, after that the WebGUI can't be reached anymore.

6. [LAN][SPVD# 105] LAN Static DHCP can configure illegal IP address.
Condition:
 1. Add new static DHCP for LAN client, configure IP address as 192.168.1.0 (or 192.168.1.255)
 2. Click Apply button, DUT can save the configuration, and work with invalid IP address.
7. [MAC Authentication][ITS# 140203073] Can't not edit MAC Authentication rule via IE browser.
8. [Static Route][SPRID# 140715286] User cannot delete IPv6 static route rule.
Condition:
 1. Restored default.
 2. Add one static route rule with Route Name=TEST / IP Type=IPv6 / Destination IP Address=111:222:333::111 / Prefix Length=64 / Use Gateway IP Address=Disable / Use Interface=Default/br0, click "OK".
 3. Create IPv6 static route rule is success.
 4. But user cannot delete this rule.
9. [DNS Entry][SPRID# 140716393] DNS Entry cannot work.
Condition:
 1. Restored default.
 2. Connect DUT to Ethernet IPoE.
 3. Create DNS Entry rule (Hostname = aaa / IPv4 Address :8.8.8.8)
 4. But ping aaa is failed.
10. [Wireless][SPRID# 140901058] WEP password issue.
Condition:
 1. Set DUT Wireless Security on WEP.
 2. Set Password: !@#%\$, click "Apply" button on GUI.
 3. Password display 2140232425 on GUI.
 4. Wireless clients can't connect to DUT via Password: !@#%\$.
11. [GUI][SPRID# 140905350] Add 3 trust domain rules, then, delete one of them, all the 3 rules will disappear.
Condition:
 1. Add 3 trust domain rules, then, delete one of them, all the 3 rules will disappear.
12. [PCP][SPVD# 111] Web page will hang on when setting parental control on special setting.
Condition:
 1. Security-> Parental control.
 2. Create a new PCP rule : Add new service and press apply.
 3. Web page will hang on, need to press F5 and DUT will work fine.

4. Go back to PCP edit page, and protocol:Port which user setup will disappear.
13. [PPTP] [PPTP] PPTP cannot work well.
14. [SSH] [ITS # 140800417] MAC or newer version of linux (ubuntu 12.04) cannot access CPE via ssh.
15. [File Sharing][SPRID# 140820417] account management function cannot work in IE browser.
Condition:
 1. Go to USB>File Sharing page.
 2. Create a account in account management table.
 3. Plug-in USB disk.
 4. Edit Share Directory List and select access level to "Security" mode.
 5. Can't see any account in "Available Users".
16. [TR069] After reset to default, sometimes CPE can't connect to ACS server.
Condition:
 1. ACS server should not allocate in the same subnet with default gateway.
 2. Edit a configuration with ACS configuration in TR069-Client page, then save the configuration as ROM-D.
 3. Reset default CPE, and check TR069 have auto running to send inform to ACS server.
17. [WAN][ITS# 140501200][SPVD# 40] Delete the WAN interface with enable con-current WAN, Con-current WAN interface can not to remove.
Condition:
 1. Create a WAN configuration with Con-current WAN setting.
 2. Delete the WAN configuration.
 3. The Bridge WAN configuration will not auto disappear and can't manual to remove it.
18. [DHCP][ITS# 140800111] If DHCPD can't success to get TFTP server name, the dhcpd will crash.
19. [Concurrent WAN] If you want to change or add ConCurrent LAN port , first to disable ConCurrent WAN in Broadband > WAN interface Edit page then choose new ConCurrent LAN port again.
20. [Concurrent WAN] If user want to delete Concurrent WAN, then found the Bridge WAN still exist and can't delete the Bridge WAN from GUI. Must disable Concurrent LAN port in Edit WAN page first then delete Concurrent WAN.

Modifications in V1.00(AAKL.6)b1

1. Base on V1.00(AAKL.5)C0 to release V1.00(AAKL.6)b1
[FEATURE ENHANCED]

1. [CLI] Support tcpdump in CLI mode.
2. [Config][SPVD#167] Wireless password is not encrypted in "configuration-backupsettings.conf" file.
Condition:
 1. Backup configuration file via WebGUI.
 2. Check wireless configuration, you can see the wireless password is not encrypted.
3. [CLI] support CLI to configure static DHCP.
4. [CLI] CLI support: DDNS.
5. [CLI] CLI support: DHCP option66.
6. [CLI] CLI support: User Account.
7. [Interface Group] Support option 60 criteria in Bridge WAN. (interface Group page)
8. [CLI] CLI support: Wifi 802.11 b/g/n.
9. [CLI] CLI support: Port Forwarding.
10. [CLI] CLI support: add system log and security log
11. [CLI] CLI support: add top command for admin level account.
12. [CLI] CLI support: add interface group command for admin level account.
13. [CLI] CLI support: add Remote Mgmt and Trust domain.
14. [SIP] [ITS ID 140600827] Remove 100rel from SIP Supported message header.
15. [Phone] add country code for CROATIA.
16. [CLI] Add command to display the default gateway interface.
17. There is no option to select PAP, CHAP or MS-CHAP authentication by Web GUI.

[FEATURE MODIFIED]

1. [PCP][SPVD#46] Cannot modify PCP rule name.
2. [VOIP][ITS# 140600887] ACS Dial Plan via tr69 Errors. CPE should converts HTML Entity back HTML Entity when received it via tr069.
3. [PCP][SPVD# 47] End-user should not need to add PCP MAC address when "Home Network User" configures as "All".
 1. Add PCP rule as "Home Network User" to "All", click Apply button.
 2. WebGUI will pop-up error message: "MAC should not be empty".
 3. And end-user needs to press button "+" to add "00:00:00:00:00:00" in MAC list.Change: Change message content for clearer description.
4. [Trust Domain][ITS# 140701230] Auto mapping trust domain configuration from old style design to new type.
Change Design:
case 1: upgrade FW from old style-trust-domain to new style-trust-domain. If trust domain is not empty in old FW, we should auto enable trust domain of all services in new

FW.

case 2: upgrade FW from new style-trust-domain without auto mapping setup mechanism to new style-trust-domain with auto mapping setup mechanism, we should keep original setup.

5. [Trust Domain] Change trust domain to support for supervisor only.

[BUG FIX]

1. [TR069] InternetGatewayDevice.UploadDiagnostics.X_5067F0_Throughput is not calculated.
2. [WAN][ITS#140400586] Can't setup MTU size to 1500 for PPPoA WAN.
Condition: 1. Create a PPPoA WAN and setup the MTU size to 1500
2. Edit WAN configuration and find the MTU size recover to 1492.
3. [Time][SPRID# 140604120] DUT Current Time didn't correct on (GMT+03:30)Tehran Time Zone.
4. [SNMP][SPRID# 140603048] Description: The SNMP can't connect after DUT reboot
Condition: 1. Enabled the SNMP from DUT GUI
2. SNMP browser can connect to SNMP of DUT
3. DUT reboot
4. The SNMP can't connect after DUT reboot
5. You need disable and enable the SNMP of DUT again
5. [TR069] If prefix not change, without send WAN_CONNECTION_UP event to smd.
6. [TR069] When the connReqPath is NULL, tr69 will crash.
7. [Interface Group] If there are multiple WANs, one is default WAN, the other WAN is bounded with an interface group at br1, br1 is dynamic interface group with criteria of opt60. When default WAN is in bridged mode, and interface grouped WAN is routing mode, interface group is failed to bind its LAN PC.
8. [CLI] Cannot add an ETHWAN interface from command line.
9. [SNMP][SPRID# 140603049] The WanIP of SNMP get value=0 on PPPoE WAN.
Condition: 1. DUT was PPPoE WAN
2. The WanIP(OID 1.3.6.1.4.1.890.1.2.2.3) of SNMP get value=0
3. The IPoE WAN didn't have this issue
10. [SNMP][SPRID# 140603051] The LoginPasswd of SNMP can't set value lower than 6 characters
Condition: 1. DUT was PPPoE WAN
2. The LoginPasswd(OID 1.3.6.1.4.1.890.1.2.2.6) of SNMP can set value=123456 successfully
3. The LoginPasswd(OID 1.3.6.1.4.1.890.1.2.2.6) of SNMP can't set value=

12345 successfully

11. [SNMP][SPRID#] The PPPoEusername and PPPoEpasswd of SNMP can't set value on PPPoE WAN

Condition: 1. DUT was PPPoE WAN

2. The PPPoEusername(OID 1.3.6.1.4.1.890.1.2.2.4) and PPPoEpasswd(OID 1.3.6.1.4.1.890.1.2.2.5) of SNMP can't set value on PPPoE WAN

12. [Wireless] MAC Filter doesn't work on WLAN clients with "WPA-PSK" and "WPA2-PSK" security mode.

Symptom:

1. Enable MAC Filter, click Allow and add the MAC address of the WLAN clients.
2. When wireless security mode configures as "WPA-PSK" or "WPA2-PSK", WLAN clients can't associate with DUT.

13. [GUI][SPVD# 94] Need to change the name of original "More AP" to "Guest/More AP".

14. [MAC Filter][SPVD#63] When "Host name" set special characters of MAC Filter rule, the rule will show error result.

Condition:

1. Go to "Security > MAC Filter" webpage, set rule1 as "Allow/ Host Name=!@#\$/ MAC Address=11:22:33:44:55:66", click Apply button.

2. Check this MAC Filter rule status.

3. You can see the rule1 shows "Host name=!" and rule2 shows "Allow/ Host Name=#\$/ MAC Address=11:22:33:44:55:66".

15. [Static DHCP] [SPVD NO:74] End-user can configure duplicated MAC address for static DHCP rule if STB Vendor ID is configured first

Condition:

1. Configure Vendor ID as MSFT_IPTV in STB Vendor ID.

2. LAN client (10:78:D2:7A:EE:3B) with Vendor ID MSFT_IPTV gets IP successfully (192.168.1.3) and add this client into static DHCP automatically.

3. Try to add new static DHCP for same client (10:78:D2:7A:EE:3B) with different IP address (192.168.1.33), click Apply button. DUT can save the configuration.

16. [Port Trigger] [SPVD#49]Add Port Trigger protocol as "TCP" but WebGUI will change to "TCP/UDP".

Condition:

1. Add Port Trigger rule and configure protocol as "TCP", click Apply button.

2. Re-check the rule, you can see the protocol has been changed to "TCP/UDP" automatically.

17. [System Monitor][SPVD NO:48] The Refresh Interval of "System Monitor > Traffic

Status > NAT" webpage doesn't work.

18. [TR069][ITS# 140600842] TR69 authenticate issue.

Condition: So far our CPE would reply inform after every 401 challenge, to customer's point of view, this session has been break up and initial a new session, this is not customer want. Customer want this behavior as answer the last reply, to make the session continue. (any SERVER request -> CPE reply) * n -> SERVER send 401 -> CPE last reply with authentication))

19. [TR69c][ITS# 140600842] cannot finish GPN and GPV of IGD. with AVSystem ACS server

20. [ARP][SPVD# 44] Wrong display of ARP interface for new interface group in "ARP table" webpage.

21. [WDS][SPVD# 37] WDS will add "2.4GHz" wording on title when user click "Cancel" button.

22. [GUI][SPVD# 164] Web GUI IOP issue with IE.

Condition:

1. Go to "Security > MAC Filter" webpage, enable MAC Address Filter, MAC Restrict Mode configure as Allow.

2. Add MAC Filter rule, and click Apply button.

3. You can see the MAC Restrict Mode button is disappearing. (See attachment)

23. [TR069] TR69 GPV of IGD. fail.

Condition:

1. doing GPV of wrong parameter, tr69c won't return error code but tr69c dead instead.

2. get GPV of IGD. fail. (the reason is as 1.)

24. [MAC Filter][SPVD# 58] MAC Filter could not delete total item.

Condition:

1. At Security > MAC Filter page, add a rule (Host name:host1, MAC=11:11:11:11:11:11).

2. If you clear all data of MAC Filter, DUT will pop-up error message:"MAC address is invalid".

25. [WPS][ITS# 140600335] WPS LED become in progress but we don't push the WPS button

26. [GUI][ITS# 140700502] web page redirect to an unknown web page error 400.

Condition: The unit shows a blue 400 error screen when they try to re-login to the devices

27. [Port Forwarding][SPVD# 95] Add Port Forwarding rule, the WAN IP is empty at first time.

Condition:

1. At "NAT > Port Forwarding" webpage, add a rule.

2. Enter WAN IP and press Apply, you can see the WAN IP still empty. =
 3. Modify the rule to enter WAN IP, it will work well.
28. [Wireless] Can't add wireless MAC Authentication rules for Guest/More AP.
- Condition:
1. Go to "Wireless > MAC Authentication" webpage, add new MAC address for Guest/More AP. Click OK button, but rule can't be added.
 2. If repeat step1 for 4~5 times, DUT will crash. Need to do H/W reset to default, and DUT can work well again.
29. [Scheduler][SPVD# 54] The link of Add or modify Scheduler Rules can't work.
30. [WAN] ADSL WAN with VLAN setting can't be configured successfully on the first time.
- Condition:
1. Create an ATM WAN rule as VPI/VCI: 0/33, 802.1p/802.1q: 0/201, and click Apply button.
 2. But you can see 802.1p/802.1q is configured as "0/0".
 3. Edit this rule, configure 802.1p/802.1q as 0/201 again, click Apply button.
 4. DUT can save correct configuration successfully.
31. [Wireless][SPVD# 35][SPRID# 130812632] The More AP doesn't disable when end-user disable Wireless LAN.
32. [Port Forwarding][SPVD# 43][SPRID# 131024444] If Remote MGMT WAN port is used, Port Forwarding rule can be added with same port.
33. Auto Switch Off can't work on all LAN port, wireless and Ethernet WAN.
- Condition:
1. Go to "Security > Scheduler Rules" page, add a Schedule rule(Everyday, 13:00-17:00)
 2. Go to "Network Setting > Power Management > Auto Switch Off" page.
 3. To mark any LAN port/wireless, re-check all LAN port/wireless still work well.
 4. At Ethernet mode, to set Ethernet WAN off, but it still work.
34. [Trust Domain][SPVD# 39]The function of Trust Domain will be disabled when end-user re-add or delete the IP address from Trust Domain List.
- Condition:
1. Add an IP address in Trust Domain List.
 2. Enable Remote MGMT Trust Domain service, and click Apply button.
 3. Re-add/delete IP address in Trust Domain List, and click Apply button.
 4. Then the Remote MGMT Trust Domain service will be disabled automatically.
35. [System][SPVD# 12] DUT will reboot automatically when upload system configuration by an incorrect file.
36. [System][SPVD# 57] DUT will reboot automatically when upload firmware/system

configuration by an incorrect file(less 30MByte).

Condition:

1. Go to "Maintenance > Firmware Upgrade" webpage, upload firmware/system configuration by an incorrect file(more than 30MByte).

2. Webpage will keep loading and DUT will reboot automatically.

37. [Bridge][SPVD# 21][SPRID# 140526418] DUT bridge mode can't work well after rebooting.

38. [DNS Route] DNS Route rule display error and can not delete the rule with special character.

Condition:

1. Go to "DNS Route" webpage, add a new rule with "/" or "." character (ex: <http://www.google.com.tw>), click OK button.

2. You can see the rule display "Domain Name=http:", "Subnet Mask=www.google.com.tw".

3. And then delete rule, it will pop-up error message: "Delete DNS Route entry for domain=http: failed". (See attachment)

4. LAN PC surf Internet fail after cleaning browser cookie and flush DNS.

39. [3G WAN][ITS# 140500039] PPP 3G dongle always red line.

40. [3G WAN][ITS# 140500039] 3G text will disappear.

41. [File Sharing][SPVD# 129] The "Share Directory List" field can't display properly.

Condition:

1. Enable File Sharing Services.

2. Add new share folder, manually type in the location of the share with long string, click Apply button.

3. You can see the typo overlap.

42. [PPTP][SPRID# 140625439] PPTP VPN Policy Route can only select All interfaces.

Condition:

1. Enable PPTP.

2. Set Policy Route on LAN1, then Click "Apply" button failed.

3. Policy Route can only select All interfaces.

43. [SNMP][SPVD# 14] SNMP can't set parameters from MIB Browser.

Condition:

1. Connect to SNMP server (MIB Browser).

2. Set value on System Name, System Location, System Contact...etc.

3. Server will display "SNMP request time out".

4. And the "System Contact" has the word limit in WebGUI.

44. [TR069] HTTPS firmware download failed.

Condition:

1. HTTPS with auth - https link with ACS server and connected with username/password
2. HTTPS without auth - https link with ACS server and connected without username/password

45. [Port Forwarding][ITS# 140500039] set port forwarding fail.

Condition:

1. With default setting, GUI > Maintenance > remote mgmt > Change http port from 80 to 81 (port 80 should available now)
2. Log in with 192.168.1.1:81
3. GUI. Network Setting > NAT > add port forward 80 to LAN address 192.168.1.50, GUI pops up an alert message.

46. [DNS Entry][SPRID# 140716393] DNS Entry cannot work.

Condition:

1. Restore default.
2. Connect DUT to Ethernet IPoE.
3. Create DNS Entry rule (Hostname = aaa / IPv4 Address :8.8.8.8)
4. But ping aaa is failed.

47. [TR069] when set schedule inform via ACS server, tr69c will crash.

48. [ITS# 140701449] There are twice iptables for ISAKMP (udp destination port 500) in FW_GENERAL_INPUT chain

49. [ITS# 140701450] Port 30005 for TR069 Connection REQ should only be open when periodical inform is enabled.

50. [GUI][SPVID# 106] The tab button display fail on IE11.

51. [File Sharing][SPRID :131022269] Set USB service to public can't work issue.

Condition:

1. Plug USB flash
2. Set USB Service -> Access Level to Public, then apply.
3. Use LAN client to access USB, but it can't access well.
4. Modify Share Directory List, it's not the same value we set.
5. Access Level can't set to Public.

52. [Static DHCP] User cannot delete IPv6 static route rule.

Condition:

1. Restore default.
2. Add one static route rule with Route Name=TEST / IP Type=IPv6 / Destination IP Address=111:222:333::111 / Prefix Length=64 / Use Gateway IP Address=Disable / Use

Interface=Default/br0, click "OK".

3. Create IPv6 static route rule is success.

4. But user cannot delete this rule.

53. [Mac filter] Mac filter title doesn't match Mac restrict mode.

Condition:

1. Security -> Mac Filter

2. See attach picture, hope title can match with Mac restrict mode.

54. After delete Interface Group rule, LAN clients can't access GUI.

Condition:

1. Set DUT on ADSL PPPoE mode.(Internet WAN interface)

2. Enable VoIP WAN ineterface.

3. Add New Interface Group rule,

- Group Name: test

- WAN Interfaces used in the grouping: VoIP/atm1.1

- Grouped LAN interfaces: LAN1

4. Delete Interface Group rule(test).

5. LAN clients can't access GUI.

6. Console display "unregister_netdevice: waiting for br1 to become free. Usage count = 1"

55. [TR069][SPRID# 131106348]GetParameterValues InternetGatewayDevice. issue.

56. [WAN][ITS# 140400586] support config mtu size range to 68-1500 for PPPoA.

57. [Wizzard][SPVD# 56] Wizard DNS static IP address doesn't match with broadband DNS static IP address.

Condition:

1. By default, manually configure static DNS IP address via Wizard.

2. Go to "Broadband" webpage, you can see the static DNS server field is empty.

58. [LogSetting][SPVD# 60]When Log setting of "Active log" and Alert select some category with "IGMP/ QoS/ UPnP/ ...", but "System Monitor > Log" doesn't show these information.

Condition:

1. By default, configure WAN type as IPoE.

2. Go to "Maintenance > Log Setting" webpage, enable "Syslog Logging" and select all category, click Apply button.

3. LAN PC use VLC to play IPTV, SuperGen to test QoS, and add UPnP rule via Win7.

4. Go to "System Monitor > Log" webpage, select Level=Debugging/ Category= All.

5. But Log can't show about logs of "IGMP/ QoS/ UPnP/ ...".

59. [Wizard] Quick Start Wizard can't save configure after CPE reboot.

Modifications in V1.00(AAKL.5)C0

Base on V1.00(AAKL.5)b5 to release V1.00(AAKL.5)C0

Modifications in V1.00(AAKL.5)b5

[FEATURE ENHANCED]

1. [Static DHCP][ITS#140600203] When change LAN subnet IP address, VMG will remove static DHCP configuration that IP exist in original subnet.
2. [WAN][ITS#140501200] Support to configure concurrent bridge and routing mode with same VPI.VCI or VLAN ID in single PVC.

[FEATURE MODIFIED]

1. [3G][ITS#140600206] 3G Pin is lost when you reboot the VMG.

[BUG FIX]

1. [Firewall][ITS#140600093,140501023] Set firewall to low level/disable, then reboot VMG and SIP can't registered.
2. [Firewall][ITS:# 140300667] LAN services exposed to WAN issue.
3. [DHCP][ITS#140600191] Can't enable DHCP Relay. In current design, If want to enable DHCP Relay need to disable nat of all WAN configuration but try to disable nat in all of WAN still can't enable DHCP Relay.
4. [Backup Configuration][ITS#140500036] Backup Restore issue. The Log Settings page in the GUI, then change setting and clicked on Apply, backed up the configuration, factory reset the VMG. Restored the backed up configuration - Saw that the log settings were back to default.
5. [Wireless][SPRID# 140527483,140626498] The WPS can't work.
 - A. Mark the wps field and apply, the mark of the field will disappear. Already fix in trunk
 - B. The PBC and PIN methods can't work.
6. [GUI][SPRID#140624316] Password issue as bellow cases:
 - A. Incorrect wording in change password page in login page, it show "Change password... The password must contain 6 to 256 characters". But only support 20 characters.
 - B. The valid password length in "Change password page" and "user account page" is difference. Login through admin/1234, and change the password to

1234567890123456789a by Change password page, it works well, then, change the password to12345a by Maintenance page, it can be applied successfully, but the password doesn't change.

7. [VOIP][SPRID#140627621,140627622] The Unattended/ attended call transfer doesn't work.

Modifications in V1.00(AAKL.5)b4

[FEATURE ENHANCED]

1. [VOIP] Add country code for SLOVAKIA & SLOVENIA.
2. [VPN] Support PPTP.
3. [TR-064] Support Multimedia Auto Provisioner.
4. [MobileApp] Configure parental control too slow.
5. [GUI][ITS 140500040] When user configures the static DHCP, then alert a message to note user to renew device's IP.

[FEATURE MODIFIED]

1. [Wizard] Remove time zone setting in quick start wizard.

[BUG FIX]

1. [LAN][ITS 140401095] CPE create the same IP subnet. If change the LAN host address to 192.168.2.1/24. Then create new interface group and found the LAN host address also be 192.168.2.1/24.
2. [LAN][ITS 140401095] WAN side change IP subnet, CPE redirect to URL of LAN. Access web GUI from WAN, then change LAN host address and CPE will redirect url to LAN as 192.168.1.1.
3. [GUI][ITS 140500032] Spelling and Grammar mistakes.
4. [MobileApp] Wan interface disappear after auto hunt. Use app to do vc auto hunt ppp WAN, the user name & password will be changed.
5. [VOIP][ITS 140400476] No Audio when doing *70, , same for *85.
6. [TR69] TR069 overloaded TCP session size for HTTPS, when use https via tr69, the packet size were 10x of http.
7. [WAN] WAN interface disappear after vc auto hunt. When finish vc auto hunt procedure, sometime the wan interface disappear.
8. [Configuration][ITS 140500036] Backup Restore issue – The configuration of Log setting page can't be saved in backup configuration from GUI. In current, we only support

supervisor account to save Log setting.

9. [GUI][ITS 140500043] When using IE10 and you log into the GUI of the VMG8924 the GUI's first page is not displayed correctly, when opening any other page in the GUI the page is displayed correctly

Modifications in V1.00(AAKL.5)b3

1. [ITS :140302182] adjust Italy's dial tone.
2. [ITS :140400531]NAT problem :

Topology:

Setup is Laptop----VMG8924--HUB--Switch-----internet



<TEST case1>

Step1: Reset to default romfile file

Step2: Configuration WAN setting for Ethernet.

Step3: Change subnet to 192.168.10.1 from 192.168.1.1

Step4: At this time, Monitor PC will receive the trace 192.168.10.1...etc(see attached trace)

<TEST case2>

Step1: Reset to default romfile

Step2: Configuration WAN setting for Ethernet.

Step3: Change subnet to 192.168.10.1 from 192.168.1.1

Step4: plug out/in WAN cable

Step5: At this time, Monitor PC will receive the trace 192.168.10.1...etc(see attached trace)

<TEST case3>

Step1: Reset to default romfile

Step2: Configuration WAN setting for Ethernet.

Step3: Change subnet to 192.168.10.1 from 192.168.1.1

Step4: Release/renew WAN ip address in WEB GUI.

Step5: At this time, Monitor PC will receive the trace 192.168.10.1...etc(see attached trace)

Modifications in V1.00(AAKL.5)b2

[FEATURE ENHANCED]

1. [TR69] Add a Landing Page and set by TR069.
2. [GUI] Display the Serial Number to the status page.
3. [ROM-D] Support supervisor can save/clean configuration to ROM-D via GUI in Configuration ROM-D page.
4. [CLI] support wan edit command to Enable/Disable VLAN tag
wan edit servicename <name> [--vlan <disable>]
wan edit servicename <name> [--vlan <vlan id>]
wan edit servicename <name> [--8021pq <0~7> <vlan id>]
5. [CLI] provide CLI command to enable or disable the DHCP server assign LAN IP by mac hash method for first link PC . If local side PC already be linked on CPE then need to reboot CPE active this feature.
dhcptomachash <enable|disable>
dhcptomachash show
dhcptomachash help
6. [CLI] Use CLI command to disable the WLAN and WPS physical button
buttondisable <1|0>
buttondisable show
7. [DHCP] Add DHCP OPTION 66 and user can set DHCP OPTION 66 value in GUI (Home Networking->TFTP Server Name)
8. [GUI] Display the static route rules on the Routing page which is learning from DHCP option 121.
9. [DSL] Support DSL Modulation, Bitswap and SRA via GUI
10. [WAN] Support a concurrent WAN automatic create by Broadband WAN interface Add & Edit.
11. [USER ACCOUNT] Modify User Configuration page.
 - A. GUI can show account list.
 - B. Supervisor level can show/add/modify/delete administrator/user level accounts.
Administrator level can show/add/modify/delete administrator/user level accounts.
User level can show/add/modify/delete user level accounts.
 - C. Account can set retry time limit and idle time limit.
12. SNMP support ADSL MiB(.1.3.6.1.2.1.10.94.1.1).
support adslMibObjects list:
- adslLineTable .1.3.6.1.2.1.10.94.1.1.1

- adslAtucPhysTable	.1.3.6.1.2.1.10.94.1.1.2
- adslAturPhysTable	.1.3.6.1.2.1.10.94.1.1.3
- adslAturChanTable	.1.3.6.1.2.1.10.94.1.1.5
- adslAturPerfDataTable	.1.3.6.1.2.1.10.94.1.1.7
- adslAturIntervalTable	.1.3.6.1.2.1.10.94.1.1.9
- adslAturChanPerfDataTable	.1.3.6.1.2.1.10.94.1.1.11
- adslAturChanIntervalTable	.1.3.6.1.2.1.10.94.1.1.13
- adslLineAlarmConfProfileTable	.1.3.6.1.2.1.10.94.1.1.15

13. Transaction ID enhancement, to integrate the MAC address along with transaction ID

How to check a Transaction id has WAN MAC:

Ex: CPE WAN MAC of interface is "C86C87A87A5C".

We can get the Transaction id of DHCP packet is "7c57b26c"(hex).

We can change the Transaction id(7c57b26c) from hex to dec(2086122092).

Then, we can get "122092" of the "2086122092".(122->7A, 092->5C)

Finally, "122092" will be changed to "7A5C" of CPE WAN MAC.

14. [ITS# 140400237] Use CLI command to disable the WLAN and WPS physical button.

15. Support DDNS.

16. Update the 3G WWAN package to 1.05

17. Can set default route in static route page.

You can setup rom file to enable this feature

```
<X_5067F0_CustomizationFlag>
```

```
    <X_5067F0_Parameter1>4096</X_5067F0_Parameter1>
```

```
</X_5067F0_CustomizationFlag>
```

18. [RIP] zebra support list command.

e.g.

```
redistribute kernel route-map test
```

```
access-list 1 deny 0.0.0.0
```

```
access-list 1 permit any
```

```
route-map test permit 1
```

```
match ip address 1
```

```
match interface br0
```

19.

[FEATURE MODIFIED]

1. [Parent control] Parent control access schedule Time (Start-End) rules table max list number is 3.

2. [GUI] DNS Entry Name can use ".".
3. OUI should be capital letters.
4. [GUI] Support Special characters `~!@#\$\$%^&*() for WpaPsk
5. [GUI] Auto-logout timeout change from 30s to 600s.
6. Support IPSec responder.
7. If user save configuration to ROM-D, Save button of Login Prividge will disappear.
8. [ITS# 140500034] Modify 3G Pin code text type to be password.
9. [GUI] Update memory usage info in GUI status page.
10. [ROM] Add the value of DHCP option 66 (URL: http://10.36.1.3:8081/) by default for **Entel Chile**
11. [IPSec] Limit the IPSec VPN Tunnel number to 2.

[BUG FIX]

1. The Ping and Trace Route can work by using the URL.
2. [ITS: #130800120] tr64 don't reply msearch not belong to it.
3. [ITS: #131100863] When do interface group for LAN, it also need to update its qos classInterface.
4. [ITS #131004714][IPv6] Sometimes fail to set LAN ipv6 address.
5. The Parental Control should can't block the websites while the service name choose HTTP and HTTPS.
6. Fix the WEBGUI usually shows "400 Bad request" by Firefox browser.
7. [SPRID 140414580] We couldn't ping the DUT from lan when Deny Ping Response is enabled.
8. [GUI] Fix access GUI with https is too long in the Chrome browser.
9. DHCP crash at LAN side.
10. [ITS# 140400873, 140105278][VOIP] Fix IOP problem with Asterisk SIP server.
11. [Wireless] For WIFI country code EU/60 in driver version 6.30.163.23.cpe4.12L06B.1 there are channels 149+ in 5G band
12. [PPPoE] Send a PADT packet with old session id before establish a new PPP connetion.
To Fix 1. Unplug dsl line will not send PADT to terminate ppp session.
2. Unplug power line will not send PADT to terminate ppp session.
13. [ITS# 140500032][GUI] Spelling and Grammar mistakes
14. [ITS#140302469][DHCP] STB can't get IP, this a DHCP Discovery message issue.
15. [ITS# 140204343][TR69] Set privilege from acs server fail
16. [ITS# 131004911][WAN] Improper routing behavior issue.

Modifications in V1.00(AAKL.5)b1

[FEATURE ENHANCED]

1. [ITS: #131202726] Add more WiFi detail information.
2. [ITS: # 131006236] Syslog hostname has v4 as default instead of v6.
3. [ITS: #140100539] Add wireless channel scan for 5G. Note: Not support 40/80 MHZ yet.
4. Interface Grouping with VLAN group.



ES of interface
grouping with VLAN

Please refer to ES:

5. Mobile APP.
Include fellow function:
 1. Host information
 2. Parental Control
 3. WiFi Setting (include Guest WiFi)
6. [CLI] For Mobile APP Network Pioneer, add bellow CLI commands

[FEATURE MODIFIED]

1. Change Trust domain behavior.
 1. With “Multi WAN + Trust domain” enable/disable option
 2. Will disable(grey) WAN enable option while “Trust domain” is enabled.
2. Fix policy Route.
[ITS: #140301470] DHCP conditional service.
3. Enhance the changing LAN IP behavior of VMG8924, DO NOT reboot device after changing LAN host IP.

[BUG FIX]

17. [ITS: #140200568] [QOS] Bandwidth configuration issue.
Symptom:
 1. Cannot add a LAN queue.
 2. Add a LAN queue and set up the class, the Qos downstream doesn't work.
18. [ITS: #140201497, #140203048, #140300295] When TR069 setup Multi-WAN mode, but data comes out of right interface but uses source ip from other interface.
19. Hide FXS port on virtual device page if the product does not support VoIP.

20. Opposite USB1 and USB2 on GUI.
21. [ITS: #140100494] Device can't set 5G WLAN channel.
22. [ITS: #140100503] Wrong sideband description on 5G GUI.
23. [ITS: #140100511] DHCP pool will be reset after disable then enable DHCP.
24. [ITS: #140100514][**Thailand**] Add Dynamic DNS Server.
25. [ITS: #140100551] The internet LED always keeps RED in adsl mode.
26. [ITS: # 140100947] Dashboard sometimes show error value.
27. Wireless status will always display "My SSID" and without other information even if already modified on the GUI
28. PPPoE's username on Wizard page will display "(null)", even if already connected up
29. If don't support VoIP, please remove SIP Registration Status on web GUI
30. LAN IPv6 IP Address will over cross the filed
31. [CLI Command] USB LED will not work
32. The Rate of 2.4GHZ WLAN always show 54M in the status page
33. Parental control profile cannot be added via IE.8 browser
34. WAH1000 new PID/VID support
35. [ITS: #140203048] CPE take 2 IP-addresses from DHCP, when doing VLAN autohunt on VDSL.
36. [ITS: #140203048] VOIP on VDSL not working. When I configure the CPE to use PTM the CPE cannot SIP register. If I setup the CPE on an ADSL line and configure the CPE accordingly the SIP can register correctly.
37. [ITS: #140203048] TR-069 does not work over MultiWAN.
38. [ITS: #130804887] Deny Ping Response
step:
 1. make sure CPE get WAN IP (I used EtherWAN)
 2. ping to CPE's WAN IP, CPE no response
 3. access to Firewall> DoS, enable "Deny Ping Response" then disable it
 4. ping to CPE's WAN IP, CPE responded
39. [ITS: #140105286] In PTM mode, when traffic mirror is enabled, device will hang on and reboot.
40. [ITS: #140204248] IOP issue with old Mac OSX 10.6.8.
41. [ITS: #131201237, #140201118] Interface collisions & error count is too high.
42. [ITS: #140103717] No IPv6 when v6 firewall is disabled.
43. [ITS: #140104552] STB first packet goes through DATA WAN
Symptom:
 1. Go to web page "interface grouping"

2. Enter filter page, bind option 60 with IPTV WAN
3. Connect STB at LAN side, STB send DHCP packet with option 60, and get IP, and http packet from STB goes through DATA WAN
4. Should goes though IPTV WAN
44. [ITS: #140200732] WPS button on enable 2.4Ghz, should enable both 2.4G/5G.
45. [ITS: #140204162] Random PC cannot ping a host. 3 LAN clients connect to CPE and each client to ping 3 same public IP at the same time, after 2-3 hours and found the random client occurs ping loss in random ping traffic.
46. [ITS: #140301470] MSTV freeze sometimes on VDSL/ADSL.
47. Sometime write configuration to flash will fail.
[ITS: #140400463] Do configuration provisioning via ACS server.
[ITS: #140400465] reset to default via GUI fail.
48. Prevent access of backup settings directly, e.g. `http://<CPE IP>/configuration-backupsettings.conf`, without login.
49. Modify admin password as clear text in configuration file and upgrade configuration from GUI. The new password will .
- 50.

Modifications in V1.00(AAKL.4)C0

Base on V1.00(AAKL.4)b3 to release V1.00(AAKL.4)C0

Modifications in V1.00(AAKL.4)b3

[BUG FIX]

1. [TR-069] FW upgrade fail via TR-069.

Modifications in V1.00(AAKL.4)b2

[FEATURE ENHANCED]

4. Upgrade the modem code to A2pv6F039i.

[FEATURE MODIFIED]

1. Change WiFi country code setting to EU/60. And make sure all DFS solution has been implemented.(Check WiFi country code by CLI command : `wlctl country`)
2. [ITS: #140105131] : Fixed , After configure PPP connection then CPE no response to ACS

- issue and response status change to 1.
3. Change the behavior(ACS upload rom-d without change the current setting).

[BUG FIX]

1. PPPoA max MTU should be 1500.
2. Include **[India TATA]** Device is taking very long time to login using HTTPS.
3. [ITS: #140202892] Fixed Change the admin passwd to quick1234 will be error.(FTP upgrade the config file command as : put D:\(FILE NAME).conf)
4. USB LEDs will lit when no USB devices plugged in under specific condition
5. LAN hosts can receive each other's Internet traffic
6. GUI MTU size should be automatically adjusted to 1492 when selecting PPPoE mode.
7. WAN host can download DUT config file by HTTP with no authentication.

Modifications in V1.00(AAKL.4)b1

[FEATURE ENHANCED]

5. Upgrade the m to 6.30 RC163.23.

[FEATURE MODIFIED]

1. [ITS: #140204368] :Reset button :1-9 sec : no action. After 10 sec: system back to factory default and reboot.
2. Remove the strong passwords. Change the admin password unnecessary alpha character + number character.

[BUG FIX]

1. [ITS: #140105131] : Fixed , After configure PPP connection then CPE no response to ACS issue
2. [ITS: #140201830,#140200332] : Fixed , upload config (clear text passwd) from TR069 or Web Gui or FTP then the admin passwd or ppp passwd or TR069 passwd will be error issue.
3. [ITS:#140202892] : Change the admin passwd to quick1234 will be error.
4. CHT attack issue , Block DNS query from WAN side no matter firewall is enabled or not.
5. [ITS:# 140206075] : LAN IPV6 Address will over cross the field in status and routing

table page.

6. [ITS:# 140206073] : [Thailand] PPPoE's username on Wizard page will display "(null)", even if already connected up.
7. [ITS:#140210218] : When 3G WAN is up, internet LED is off. Reason: 3G Internet LED not support WAN_IP_CONN. Solution: let 3G Internet LED support WAN_IP_CONN.
8. [ITS:#140201871] : [Thailand] IPSec VPN menu still exists (Use flag to control).
9. [ITS:#140102232] : Problem page error (408 Request Timeout).
10. [ITS:#] : Wireless Guest SSID and Home Guest no internet access.

Modifications in V1.00(AAKL.3)C0

6. Base the V1.00(AAKL.3)b3 to Release V1.00(AAKL.3)C0
- 7.

Modifications in V1.00(AAKL.3)b3

[FEATURE ENHANCED]

8. Parental Control : (1) Add more access-periods (Max. 3) . (2) Apply same PCP to several clients (Max. 5).

•

[FEATURE MODIFIED]

1. In original design, press the reset button more than 25sec to erase ROM-D.
Change design to disable the erase rom-d function in CFE via HW reset button.
And also upgrade cfe version to V1.63.
2. Sideband description on 2.4G GUI.

•

[BUG FIX]

1. ITS: 140200569 , The root cause is disable the Ethernet WAN and then enable it. The speed will keep fix 100M. (1)When we fix 1000M on Ethernet wan and then disable it. Make sure Ethernet WAN link down. (2) Enable Ethernet WAN, it will fix on 100M. After reboot, Ethernet WAN can back to 1000M.
2. ITS: 140103717, No IPv6 traffic LAN to WAN when v6 firewall are disabled.
3. ITS: 140104452, FTP upload can't work in Linux environment. Condition: (1)using linux command "ftp 192.168.1.1" to connect with CPE ftp server.(2)use command "put ras.bin" to upload FW to CPE(3)CPE without accept any FW data package. Expectation:(1)When use put command to upload image, the CPE should receive data packages.(2)Then use

command "bye" to start upload FW process.

4. Fixed : (1)Go to "Network Setting > QoS > Class Setup" webpage by IE browser, you can see the Edit and Delete icons are misplaced.(2)Go to "Network Setting > QoS > Policer Setup" webpage by IE browser, you can see the background are cut.(3)Go to "Connection Status > Status" webpage by IE browser, in "Registration Status" section, you can see the "UnRegister" button lose right-side line.
5. [UK] Interface group leaks : If interface group is setting at LAN1 then LAN2~4 packet should be not sent to LAN1 port.

Modifications in V1.00(AAKL.3)b2

[FEATURE ENHANCED]

6. Support ACL to select IPv6 LAN device. (not support static IPv6).
7. Description: consider Support Trust domain for IPv6 .Condition: when set trust domain IP, it is set as ACCPET for INPUT chain of iptables, but we don't consider about IPv6.
8. Support Concurrent WAN for routing and bridge mode with same PVI/VCI.
9. Support "Mode Switch" 3G module as VMG1312-B10A with Fwid:AAJZ0C0
10. Support characters: "@", "-", "." in SIP Account field let CPE to apply.

•

[FEATURE MODIFIED]

1. Interface group behavior, WiFi/WAN disabled & enable still keep in original group.
(1)Create a new Interface group with WiFi interface.(2)Disable WiFi interface, then enable. (3)The interface will restore to default group.
2. Replace CPE All 'MitraStar' string to 'ZyXEL'.

3.

•

[BUG FIX]

1. ITS:131104543, 131100434 (1) IGMP flooding when igmp snooping mode is standard ,(2) IPTV can not work in igmp proxy but VLC player can do it.
2. ITS : 131100747 ,Symptom: WAN PC can ping to CPS's LAN interface with bridge WAN.(1)Setup CPE WAN to bridge mode.(2)Setup WAN PC's address in the same subnet(3)WAN PC ping CPE's LAN interface, then get ping response.
3. ITS: 130804413 Symptom: [DHCPv6c] DHCPv6 renew does not work like it should.(1)only enable IA_NA, after dhcp6c send renew and get reply, it resend solicit.(2)enable both IA_NA and IA_PD, dhcp6c send renew and get reply, it send release repeatedly

4. Symptom: (IOP issue) Ping & TraceRoute in Diagnostic can't work on Google Chrome only.(1)use Google Chrome, login WebGUI, click status, but it doesn't show anything.(2)use Google Chrome, click Diagnostic page, get into ping and traceroute,it doesn't work.
5. ITS: 131104896, Description: DHCPv6 Requested Option code: DNS recursive name server (23) has repeat for 2 times. Symptom: there are 2 option 23 in one DHCPv6 request packet.
6. ITS: 130903252, Description: press WAN IP release on Web GUI, DHCPv4 client won't send "DHCP RELEASE" to DHCP server .Symptom: press WAN IP release on Web GUI, DHCPv4 client won't send "DHCP RELEASE" to DHCP server.(1)enter GUI status page.(2)click "release" button for "IPv4 Address" in "WAN information" column.(3)capture packet from packet sniffer tool, dhcpc doesn't send RELEASE packet to DHCP server.
7. Symptom: Wrong string in Wireless webpage. Go to "Network Setting > Wireless > General" webpage, in "More Secure" field,click more, you can see the wrong typo "Encyption", should be "Encryption".
8. SPRID: 131024357, After add one bridge wan and one route wan with the same VLAN id, DUT will repeat reboot.
9. SPRID: 131022286, Plug USB flash drive to CPE, after reboot CPE, USB flash drive sometimes is undetectable by CPE .
10. VPN Monitor Wording. "Connecting" change to 'Connected' and "Disconnecting" change to 'Disconnect'.
11.
 -

Modifications in V1.00(AAKL.3)b1

1. Base on V1.00(AAKL.2)b1 to release V1.00(AAKL.3)b1
2. [FEATURE ENHANCEMENT] Add some CLI commands. (pppoectl, firewall, wlanctl, route, lan, dmz and passwd)
3. [FEATURE ENHANCEMENT] The CLI LAN config command need to support generate DHCP subnet IP automatically.
4. [FEATURE ENHANCEMENT] Block it from CLI with web GUI if DMZ IP same LAN IP.
5. [BUG FIX] [ITS 131101298] If MGMT and DMZ work in same time then MGMT will fail.

6. [BUG FIX] [ITS 131002333] GUI can't display log information with specified category.
7. [BUG FIX] [ITS 131002949] Can't disconnect VPN from USG remote site.
8. [BUG FIX][ITS 131018118] If use ATSN to change SN and use lowercase, when use ATSH to check, SN will display lowercase.
9. [Bug Fix][SPRID 131018077] "Bootbase Version" are different between "Debug mode" and "CLI command".
10. [BUG FIX][SPRID 131018114] WPS process bar display issue.
11. [BUG FIX][SPRID 131018117] User can't find the radio button of Enable in WPS page. (IE6/7/8)
12. [BUG FIX][SPRID 131021199, 131106389] After upload the configuration to device, one of Dynamic DNS setting is lost.
13. [BUG FIX][SPRID 131021206] Fix default value from Mitrastar to ZyXEL in data-model.
14. [BUG FIX][SPRID 131022288, 131022267] Enable or disable "Immediate Dial Enable" function on anyone "SIP Service Provider", it will also enable or disable "Immediate Dial Enable" function" to all "SIP Service Provider" at the same time.
15. [BUG FIX][SPRID 131024393] Enable "File Sharing Services" function and add a user account. Then reboot CPE, CPE happen repeat reboot.
16. [BUG FIX][TR069] Tr069 will not enable in some conditions. if WAN is plug-in after CPE boot up, tr069 will not be enabled
17. [BUG FIX][TR069] When Connect with ACS server, the tr69c will crash.
18. [BUG FIX][TR069] Fix memory overwrite problem.
19. [BUG FIX][TR069] Fix wrong comparison statement
20. [BUG FIX][TR069] F ix incorrect fprintf argument
21. [BUG FIX][TR069] Cannot set Multi_WAN.
22. [BUG FIX][TR069] After download file, some parameter values are always zero.
These parameters are:
InternetGatewayDevice.DownloadDiagnostics.TestBytesRecived
InternetGatewayDevice.DownloadDiagnostics.TotalBytesRecived
InternetGatewayDevice.DownloadDiagnostics.X_5067F0_Result.1.TestBytesRecived
InternetGatewayDevice.DownloadDiagnostics.X_5067F0_Throughput
InternetGatewayDevice.DownloadDiagnostics.X_5067F0_TotalBytesRecivedUnderFullLoading
23. [BUG FIX][SPRID 131018118] If use ATSN to change SN and use lowercase, when use ATSH to check, SN will display lowercase.
24. [BUG FIX] add PHHONE1 and PHONE2 on/off when enter cmd -> sys ledctl all 1/0.
25. [FEATURE ENHANCEMENT] Support IPSec log in GUI.

26. [FEATURE ENHANCEMENT][SPRID 131018119] TE command "sys btt 1", the output can show on telnet
27. [BUG FIX][ITS 131004175]Use long length FW id to upgrade FW, CPE will crash in first boot up.
28. [BUG FIX][SPRID 131025508] Bandwidth of Wireless Network Setup on Wireless page should be modified.
29. [BUG FIX][ITS 130804887] The default of "Deny Ping Response" is disabled, but user can't ping CPE from WAN over IPv6 network.
30. [BUG FIX][ITS 130903720] CPE Crash When Have IPTV Traffic in ADSL ATM Mode.
31. [BUG FIX][ITS 131000700] IOP issue between BCM63168 GPHY/BCM53124S Ethernet port and Genexis FiberXport.
32. [FEATURE ENHANCEMENT][ITS 130700725] VOIP over IPv6.

Modifications in V1.00(AAKL.2)b1

33. Base on V1.00(AAKL.1)b2 to release V1.00(AAKL.2)b1
34. [FEATURE ENHANCEMENT] Always try to reconnect PPPoE even authentication fail
35. [Bug Fix] Open web status page fail when ppp connection fail.
36. [FEATURE ENHANCEMENT] Support concurrent VDSL wan. (One bridge wan and one route wan with the same VLAN id.)
37. [FEATURE ENHANCEMENT] Serial number format change. Ex:
VMG 8324-B10A
sys-serial-no : "S130Y11021794 8324 100AAKL0b2"
VMG 8924-B10A
sys-serial-no : "S130Y11021794 8924 100AAKL0b2"
38. [Bug Fix] When setup DNS6 from ISP, GUI can't display DNS value.
Condition:
 - A. Go to Home Network Setting/Home Networking/LAN Setup page.
 - B. Enable IPv6 and select IPv6 DNS Value server to "From ISP".
 - C. Connect with WAN and re-flash LAN.
 - D. DNS IP address still empty.
39. [Feature Change] Dual stack enable as default on all WAN connection.
40. [Feature Change] DHCP option 43 enable as default on all WAN connection.
41. [Feature Change] By default, use static supervisor password as for EU generic.
42. [Bug Fix][ITS 130804887] The default of "Deny Ping Response" is disabled, but user can't ping CPE from WAN.

43. [FEATURE ENHANCEMENT] Support wireless STA connect/disconnect to AP log information.
44. [Bug Fix] Remove UPS information from GUI.
45. [FEATURE ENHANCEMENT] Add more wireless information for the lan device about SSID, Link quality, Connect type.
46. [Bug Fix] When Connect with ACS server, the tr69c will crash.
Condition:
 - A. Enable tr69 and connect with ACS.
 - B. In console side, we can find tr69c core trace message.

Modifications in V1.00(AAKL.1)b2

47. Base on V1.00(AAKL.1)b1 to release V1.00(AAKL.1)b2
48. [Bug Fix][ITS 130701418] The ACL rule will disappear from GUI when the firewall is disabled. And then enable the firewall, the ACL will return in GUI
49. [Bug Fix][ITS 130800697] DSL uptime counter display error.
50. [FEATURE ENHANCEMENT][ITS 130605250] Add separate firewall IPv4 and IPv6 control Flag.
51. [FEATURE ENHANCEMENT][ITS 130800636] Enable ADSL over PTM as factory default setting.
52. [FEATURE ENHANCEMENT][ITS 130702735] Add more wireless information for the LAN device about SSID, Link quality, Connect type.

Modifications in V1.00(AAKL.1)b1

53. Base on V1.00(AAKL.0)C0 to release V1.00(AAKL.1)b1
54. [Bug Fix][SPRID 121217134] Add a new interface group that select LAN interface and none WAN interface can create successfully.
55. [Bug Fix][SPRID 121217135] There are redundant wireless LAN interfaces on interface group page.
56. [Bug Fix][SPRID121218221] WLAN LED will not off, when WLAN configure disable From GUI and HW button.
57. [Bug Fix][SPRID 130225373] In the Wake on LAN page, the IP address column is redundant.
58. [Bug Fix][SPRID 130227535] Use tftp client tool to put FW to device >> Failed.
59. [Bug Fix][SPRID 130227537] Rate Limit of WAN configuration can't work again, when user modify "Rate Limit".
60. [Bug Fix][SPRID 130412337] LAN PC connect to DUT and will get IP address

randomly.

61. [Bug Fix][SPRID 130415493] Wireless's LED behavior is not correct.
62. [Bug Fix][SPRID 130416648] LAN PC play the MLD video, after 2-3 minutes, DUT will reboot.
63. [Bug Fix][SPRID 130417754] When change security to WEP in 802.11n mode, GUI pop out message issue.
64. [Bug Fix][SPRID 130419060] Press HW WPS button, then disable WPS from GUI, 5G LED still flash (orange).
65. [FEATURE MODIFICATION][DHCP] Support DHCP Options 61 on WAN side.
66. [FEATURE MODIFICATION][WEB REDIRECT] Using DUT index page to replace troubleshooting pages.
67. [FEATURE MODIFICATION][ITS 130500999] Fixed MAC feature. Use parameter MacIndex to control the MAC allocated to wan interface.
68. [FEATURE MODIFICATION][ITS 130503361] Allow each wan interface has independent static DNS servers.
69. [FEATURE MODIFICATION][ITS 130602748] Add VOIP tone setting for Austria.
70. [FEATURE MODIFICATION][VLAN] Support VLAN Mux on ATM PVC.
71. [FEATURE MODIFICATION][ITS 130603320] Support clean ROM-D via ftp.
72. [FEATURE MODIFICATION][ITS 130405196] Show Internet connection up only when default gateway interface get IP. Enabled if (InternetGatewayDevice.X_5067F0_CustomizationFlag.X_5067F0_Parameter1 & 0x00000001) = 1
73. [Bug Fix][ITS 130504207] V6 auto renew dhcp6c won't renew when receive more than one reply message.
74. [Bug Fix][ITS 130401093] Dhcp6c will re-init if receive more than one reply message.
75. [Bug Fix] LAN PC can't ping to WAN (IPv6) when firewall is disabled.
76. [FEATURE MODIFICATION][ITS 130502491] In Maintenance->Time page, Daylight Saving setting, Order field. Change Fifth to Last.
77. [FEATURE MODIFICATION][ITS 130503411] Enhance the status page loading speed.
78. [FEATURE MODIFICATION][ITS 130503755] Change the serial number format shown on COE
Original: "SerialNumber"
Change to: "SerialNumber ModelName FirmwareVersion"
79. [FEATURE MODIFICATION][COUNTRYCODE] Close 11ac DFS band for US (FF) & EU(E1) region.
80. [Bug Fix][SPRID 130301048] MAX NAT session per host can't be limited.

81. [Bug Fix][SPRID 130227536] Use ADSL WAN to play IGMP >> Lag.
82. [Bug Fix][SPRID 130220040] Passphrase type couldn't be set.
83. [Bug Fix][SPRID 121219374] Wireless can't pass the PQA criteria, please check the attached file.
84. [Bug Fix][SPRID 121015894] Port trigger can't work when set port range.

Modifications in V1.00(AAKL.0)C0

85. Base on 1.00(AAKL.0)b2 to release V1.00(AAKL.0)C0

Modifications in V1.00(AAKL.0)b2

86. Base on 1.00(AAGW.0)b5 to release V1.00(AAKL.0)b2
87. Change Vendor Name to "ZyXEL Communications Corp."
88. [BUG FIX] [SPRID 130415450]Diagnostic can't "Ping/TraceRoute/Nslookup" ipv6 domain address.
89. [BUG FIX] [SPRID 130416621] After DUT use .w to upgrade FW, user can't use account (zyuser/admin) to login FTP.
90. [BUG FIX] [SPRID 130415473]5th Ethernet Port can't work
91. [BUG FIX] [SPRID 130412360][Power Management]Wireless 5G LED didn't OFF by power management.
92. [BUG FIX] [SPRID 130415492] [Remote MGMT] Type "sys atsh " via ssh response error.
93. [BUG FIX] [SPRID 130412361] [3G]LAN PC still can't access Internet after 3G connect up when DUT has 2 WAN connections.
94. [BUG FIX] [SPRID 130416649] [GUI] The information about 2.4G and 5G are not correct in the Connection Status page(Interface Status) .
95. [BUG FIX] [SPRID 130415453] When system Log of Category select "DHCP Server", GUI (Log) can't show any about DHCP Server information.
96. [BUG FIX] [SPRID 130415451] Diagnostic Address set ";" + "sh command" >> Diagnostic can do sh mode active.
97. [BUG FIX] [SPRID 130422139] DUT can't get Provision Code from DHCP option 43.
98. [BUG FIX] [RD Internal][ADSL] Rate Limit of WAN configuration can't work again, when user modify "Rate Limit"
99. [BUG FIX] [RD Internal] (Power Management) LED behavior is wrong after reboot

when DUT enabled power management.

- 100. [BUG FIX] [RD Internal] there are two "Host Name" fields in USB Service > File Sharing for Google Chrome and Firefox.
- 101. [FEATURE ENHANCEMENT] Support tr69 to update romd.
- 102. [FEATURE MODIFICATION] [RD Internal] modify timer of reset to default button to trigger in CFE from 20s to 10s.
- 103. [FEATURE MODIFICATION] modify default config, set WLAN 2.4G default bandwidth to 40MHz.
- 104. [FEATURE MODIFICATION] [HW][WLAN] update 5G SROM for CPK issue.
- 105. [FEATURE MODIFICATION] [HW][WLAN] update 2.4G and 5G con-current regulatory power table limitation for CE/FCC to EU/60 and Q1/60.
- 106. [FEATURE MODIFICATION][RD Internal] WLAN auto generate SSID for 5G to ZyXELXXXXXX_5G (XXXXXX is the last 6 mac address).
- 107. [BUG FIX] [SPRID 121214980] VDSL bridge throughput can't pass PQA criteria (Run 64 to 1518 continuous).

Modifications in V1.00(AAKL.0)b1

- 108. Base on 1.00(AAGW.0)b4 to release V1.00(AAKL.0)b1
- 109. Change Vendor Name to "ZyXEL Communications Corp."

Default Settings in V1.00(AAKL.7)C0

Please refer to V100AAKL7C0.rom for more detail. It can be viewed by text editor. Recommend to use XML parser to get well organization result.

- 1. Username and password:
 - (1) admin/1234
 - (2) zyuser/1234
- 2. GUI configuration: <http://192.168.1.1/>
- 3. How to enter sh mode: enter sh in main menu.

Public Domain Software Announcements

The following public domain software are used in this firmware release:

- MIPS Linux kernel, version 2.6.30
<http://www.linux-mips.org> or <http://kernel.org>
- Bridge-Utills
<http://bridge.sourceforge.net>
- BusyBox 1.0.0 toolset
<http://www.busybox.net/>
- Dproxy: dproxy-nexgen
<http://dproxy.sourceforge.net>
- ebttables 2.0.6
<http://ebtables.sourceforge.net>
- bftpd 1.0.24
<http://www.bftpd.org/>
- iproute2 iproute2-2.4.7-now-ss020116-try.tar.gz
<http://www.linuxgrill.com/anonymous/iproute2>
- iptables-1.3.8
<http://www.netfilter.org>
- udhcp 0.9.6
<http://udhcp.busybox.net/>
- zebra 0.93a
<http://www.zebra.org/>
- ppp 2.4.1
<http://www.roaringpenguin.com/pppoe>
- Ssh server: dropbear v0.46
<http://matt.ucc.asn.au/dropbear/dropbear.html>
- openssl: openSSL library v0.9.7f
<http://www.openssl.org>
- Dnsmasq: 2.48
<http://www.thekelleys.org.uk/dnsmasq/>
- Ssmtp : 2.62 GPLv2
<http://packages.debian.org/lenny/ssmtp>
- Dhcpv6
<http://sourceforge.net/projects/wide-dhcpv6/>