ZyXEL

Firmware Release Note

P-2602RL-D3A

Standard version

Release 3.40(AJG.1)C0

Date: **August 18, 2006**
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Supported Platforms:

ZyXEL P-2602RL-D3A

Versions:

ZyNOS Version: V3.40(AJG.1) | 08/18/2006 19:45:55
Bootbase Version: V1.13 | 02/16/2006 14:05:00

Notes:

The P2602RL-DXA is a Green Product (`means being both, halogen-free and Pb-free`) It is a low cost,high performance ADSL VoIP IAD (integrated access device), which provides high-speed ADSL/ADSL2/ADSL2+ Internet access, 1 port Ethernet and Voice over IP communication capability for Internet service providers who want to deliver the data and voice service over the current packet network. With the supporting of open SIP standard (RFC3261), P2602RL-DXA enables service providers to increase service revenue by supporting the toll-quality voice services. End user can easy set up the voice account with ITSP network and dramatic reduce their bills in the long distance calls. Low cost phone capability, full integration features. P2602RL-DXA is an ideal solution for home and residential users.

P2602RL-DXA support 2 POTS port for analog telephone connection. Besides, with built-in DAA interface, It allows the subscribers to use the VoIP phones service and keep their PSTN phone service at the same time. When users are using VoIP phone call, the P2602RL-DXA's users can still receive the incoming phone call from PSTN. Besides, by dialing the defined prefixed number, users can still place a call which is forced to PSTN. In case power shutdown happened, the Lifeline support functionalities will still make the phone call be alive by going through PSTN.

The version of modem code is 06.00.04.00.

Features:

Modifications in V 3.40(AJG.1)C0 | 08/18/2006
1. Change to FCS version

Modifications in V 3.40(AJG.1)b2 | 08/08/2006
1. [Bug Fixed][SPRID: 060727844]
Due to end VoIP call, DUT will occur exception so that main VoIP function cannot be verified continually.

Modifications in V 3.40(AJG.1)b1 | 07/26/2006
1. [Enhancement]
Country Code support for different ring and tone for USA, AUSTRIA, BELGIUM, DENMARK, FINLAND, NETHERLAND, NORWAY, SPAIN, SWEDEN, SWITZERLAND, UK GERMANY, Australia, Ireland, CZECH and ITALY, total 16 countries.
    1. Support Ring for Frequency, Amplitude(Vrms)-No load, Amplitude(Vrms)-5 REN, and Cadence.
    2. Support Tone for Dial Tone, Busy Tone, Congestion Tone, Ringback Tone, Call Wait Tone, and Re-order Tone.
    3. Codec DAA is not supported yet.
    4. Caller ID (CID) is not supported yet.

Modifications in V 3.40(AJG.0)C0 | 06/02/2006
1. Change to FCS version.

Modifications in V 3.40(AJG.0)b3 | 05/26/2006
1. [Enhancement]Change TI AR7 modem code to 06.00.04.00.
2. [Bugs Fixed]The ICMP mode wan backup function work not correct.
3. [Bugs Fixed]

SPR	Description	Comments
060329531	Can't modify static DHCP client's IP address.	
060330603	Now NAT is disabled, go to" Network > NAT > General" in eWC, Only check"Active Network Address Translation (NAT)" and click"Apply" button. There is no any warning message and NAT won't be active.	
060330605	By Default, go to "Security > Firewall > Rules" then select Packet Direction as "WAN to WAN / Router", you can see the "Source IP" and "Destination IP" of Rule 1 shows blank.	
060330607	If NAT Address Mapping selects"Server", system accepts"Server Mapping Set" as"N/A". Please filter"N/A".	
060330608	1. For example, now, NAT type is"SUA only" and both 2 PCs under DUT can access Internet. 2. Modify NAT as"Full Feature" and NAT rule is"One-to-One". 3. Both 2 PCs can still access Internet. Reboot DUT, it has no problem.	

060330619	DUT always crashes after we do WAN Backup function	
060330620	LAN port interface name as "Interface" by default.	
060330625	The system does reboot or exception while we do while doing FTP and Emule over-night.	
060330627	LAN port interface name as"Interface" by default.	
060330631	The "mark" of "Diagnostic" is "Diagnose".	
060330633	Rom-d function can't work	
060330636	Modify "Access Status" in Remote Management in eWC, system asks the user to re-login again.	
060330644	Edit MBM rule, sometimes it will add a new rule.	
060330646	Run BWM Wizard will only erase existed LAN speed but not erase WAN speed.	
060330648	Web Redirect of VC Hunt can't work sometimes.	
060331728	IGMP testing DUT will crash.	
060331730	Use AX-4000 does 4BR+4 Router Test, the system do exception or reboot.	
060401002	Change WAN mode from "Routing" to "Bridge", actually, it doesn't work.	
060403068	VOIP LED is not correct.	
060403069	Caller will not hang up. Setp1. CID delivery:OFF Setp2. Make VoIP conversation Setp3. make on-hook callee side ==> caller will not hang up.	
060404163	DUT will pick up PSTN incoming signal after DUT DAA relay on	
060404166	Change " Call Service mode", the selected PSTN Line is disappear.	
060404184	The system do exception while we do remote management DNS test, it can be duplicated.	
060406272	No VOIP third compression type in GUI and SMT 24.8(v c s dis 1).	
060406274	No Firmware in Auto provision server, the DUT will occur exception when start to download firmware. 1. Don't put firmware on download server. 2. After autopro, dial *99#, the DUT will occur exception.	

060406275	Make PSTN call from DUT-A. If DUT-A onhook too fast, the ringing can't stop and the PSTN can't use again. After DUT-A reboot, the PSTN call can be used.	
060406277	DUT run FTP session overnight to verify stress test , when firewall enable , it will block WAN to LAN FTP session(MS-DOS; Cuteftp; ftp programs) . 1. Enable firewall 2. LAN PC download and upload file to WAN side FTP server ,use Red-com /Qpro 3. Test it overnight , it will occur firewall to block WAN to LAN FTP session	
060407306	When do firmware update during PSTN call, the PSTN call can't to converse.	
060407307	DUT power off during PSTN conversation, the Phone 1 will be disconnected. PSTN call of Phone 1 will be disconnected after power off. PSTN call of Phone 2 can be established successfully and will not be disconnected after power off.	Not a problem
060407309	Long PSTN conversation (DUT-A dials lifeline PSTN number), and LAN PC run emule. The DUT will occur exception. (Phone 1 of DUT-A)	
060414999	Just found the logs sent from the new P2602 models are short off by one hour in MS Outlook since the DST changed from +0100 to +0200:	

Modifications in V 3.40(AJG.0)b2 | 04/04/2006
1.   Fix LED, HTP, and ATRT exception issue from TE test report.

Modifications in V 3.40(AJG.0)b1 | 03/23/2006
1.   Create this project for OBM version
2.   [Enhancement]Support QuickRoute
3.   [Bugs Fixed] Merge Bugs Fixed from P-2602RL-D1A

SPR	Description	Comments
060124240	Symptom: Save configuration to Flash while ADSL is sync up, ADSL will remain state and stop actions. Condition: Normally, the easiest way is to "change password in eWC at the beginning" or checked "Click here to always start with the Advanced setup.".	
060124245	4. Refresh Client List again, it displays 2 records in the table, but "Host Name" is empty with first PC (192.168.1.33). 5. The first PC release and renew IP address again, the "Host Name" will show up. 6. Add the MAC of second PC the static IP address, i.e. 00:0F:FE:0C:CF:6C matches 192.168.1.55. 7. The second PC release and renew IP address and get IP address, 192.168.1.55. 8. Refresh Client List again, you will find there are 3 records in	

	the list. There are 2 records with second PC. One displays correct Status, Host Name, MAC, IP address and "Reserve" is checked; another displays "Status: inactive", "No Host Name", "Correct MAC and IP address" and "Reserve: checked". 9. Unchecked "Reserve" of the second record and click "Apply" button, system will show error message, "ERROR: Duplicate IP Address!". Unchecked both "Reserve" and click "Apply" button, List back to correct status. 10. Check "Reserve" again, the same record will have two. 11. Click "Modify" to change IP to "192.168.1.666" and click "Apply" button, system displays uncorrect message, "ERROR: HTML Item value can't be empty192.168.1.666". 12. Besides, if want to "Modify", need to click twice "edit hyperlink".	
060206046	Symptom: DSL status becomes as "N/A" or "Idle" after change encapsulation for serveral times. Condition: After changed encapsulation for several times, DSL status becomes as "N/A" or "Idle" unless reboot DUT.	
060206051	Symptom: Modify IP Subnet Mask in LAN page, the user needs to re-login eWC again. Condition: By default, go to "Network > LAN > IP" in eWC, modify IP Subnet Mask as "255.255.254.0", system forces the user to re-login eWC again.	
060207137	Set autopro pincode, then run autopro function. The DUT will occur exception.	
060303422	Symptom: GUI in "Maintenance > Diagnostic > DSL Line" page, should not display the LAN IP information. Condition: 1. The "ATM Status" should not display the LAN Information 2. The "DSL Line Status" should not display the LAN Information 3. The "Reset DSL" should not display the LAN Information 4. The "Capture All Log" should not display LAN, WAN, Firmware Version, DHCP ... etc information.	
060303423	Symptom: GUI Remote Node issue. Condition: 1. Add Remote Node 2 in GUI. 2. When add successfully, you will see the "Active" checked box is be selected. 3. Click the "Apply" in More connection page, you will see the remote node has show inactive. 4. And, Can not active it again.	

060303424	Symptom: Internet connection Wizard setting issue. Condition: The Internet Connection Wizard always detected the connection is established successfully even if the vc hunt is Failed. Case one. 1. By default do VC auto hunt. 2. Let the hutting failed and go to GUI wizard to setup the Internet connection. 3. The Wizrad will detected the connection is established succesfully. Case two. 1. By default, do VC auto hunt. 2. If VC hunt successfully. Then change other line with different PVC. 3. Using Wizard to setup the Internet Connection, the wizard will detected the connection is still established successfully. Suggestion: Internet connection Wizard should not combine with zero configuration.	
060310923	Symptom: After de-active first MBM rule, second BWM rule setting will changed Condition: 1. Reset default, in eWC Advanced > BW MGMT > Summary page, active WAN speed is 2000 priority-based, 2. In Advanced > Bandwidth MGMT > Rule Setup page, add first rule Direction=WAN, Service=FTP, Priority=Mid, Bandwidth=400 kbps. 3. In Advanced > Bandwidth MGMT > Rule Setup page, add second rule Direction=WAN, Service=VoIP(SIP), Priority=Mid, Bandwidth=200 kbps. 4. In Advanced > Bandwidth MGMT > Rule Setup page, add third rule Direction=WAN, Service=VoIP(H323), Priority=Mid, Bandwidth=100 kbps. 5. LAN side PC run chariot tool with FTP service, it will meet first rule, de-active first rule(chariot keep running) then check second rule and third rule, Service will changed from SIP/H323 to FTP/User-defined.	
060310924	Symptom: MBM not check if class bandwidth more than root bandwidth Condition: 1. In eWC Advanced > BW MGMT > Summary, active WAN, Speed=1500, Scheduler=Priority-based, 2. In eWC Advanced > Bandwidth MGMT > Rule Setup, add first rule Direction=WAN, Service=FTP, Priority=Mid, Bandwidth=1000kbps. 3. In eWC Advanced > Bandwidth MGMT > Rule Setup, add second rule Direction=WAN, Service=WWW, Priority=Mid, Bandwidth=400kbps 4. Edit second rule Bandwidth=600kbps(First and second rule BW more than root), it can save without check. 5. At this time in eWC Advanced > BW MGMT > Summary click Apply again, it occur message "ERROR: Fail to confirm new Password."	
060310929	Symptom: Can't add more MBM rules after configured MBM Wizard Condition: 1. Go to MBM Wizard, active and check all rules (total 8 kinds).	

	2. Go to "Advanced > Bandwidth MGMT > Rule Setup", in "Rule Setup", select "Direction: LAN", delete TFTP service rule (rule 8). 3. In "Advanced > Bandwidth MGMT > Rule Setup" "Direction: LAN" add rule Service: TFTP" then click "Add" button, system displays "Number of classes reaches the upper bound. Max classes is 8" and won't accept this setting. System doesn't allow to add rules any more.
060313009	Symptiom: When SIP Account InActive, the Phone LED is still bright. Sondition: 1. Make SIP1 & SIP2 register to SIP server (Phone1 & Phone2 LED is bright.) 2. Disable SIP1 & SIP2's SIP Account 3. Phone1 & Phone2 LED is still bright, but SIP1 & SIP2 is unregistered.
060306519	Symptom: Default ATM QoS Type should not be "CBR". Condition: Currently, if configure WAN setting and not click "Advanced Setup", default ATM QoS Type will be "CBR". For OBM version, It doesn't make sense.
060314059	To do T.38 Fax test, DUT will occur exception.
060314061	Auto Firmware upgrade function is failed, console will show "not enough memory 2940656..".
060314096	Symptom: DHCP criteria has some problem. Condition: 1. Now, LAN enabled DHCP server. Connect 2 PC with LAN and get 192.168.1.33 and 192.168.1.34. 2. Unplug PC1 and PC2, plug other 3 devices with LAN, get 192.168.1.35 ~ 37. 3. Unplug these 3 devices, plug PC1 and PC2 with LAN again. PC1 gets IP Address 192.168.1.33 but PC2 gets "192.168.1.38". 4. Captured picture attached to SPR system.
060314107	Symptom: PPPoA and PPPoE shows different information. Condition: In GUI, if configure as static WAN IP, both only enter IP Address. But in "Status" page, PPPoE shows Default Gateway as "WAN IP Address", but PPPoA shows "N/A".
060314110	Symptom: Can't add Remote Node 2 to 7 if encapsulation is PPPoA, PPPoE or ENET Encap. Condition:

	1. By default, configure Remtoe Node 1 as "PPPoA/LLC + dynamic IP" and get IP, "17.1.4.10" from ISP. 2. Edit Remote Node 2 as "ENET Encap/LLC + Static IP (no matter what IP address)" then click "Apply" button, system displays "ERROR: Duplicate WAN IP Address !" and won't accept.	
060314115	Symptom: Can't add "Static Route" while RFC1483. Condition: 1. By default, go to "Network > WAN > Internet Connection", configure as RFC1483/LLC, IP is "17.1.5.92". 2. Go to "Advanced > Static Route", add static route 1, Route Name: 9.2, Destination: 192.168.9.2, Subnet: 255.255.255.0, Gateway: 17.1.5.92, system displays "Cannot add an static route entry. Please check that the gateway is a valid remote node ip address." and can't create the rule. 3. It also happened with PPPoA and PPPoE.	
060314118	Symptom: CI prompt name won't change back after modified System Name back to blank. Condition : 1. By default, login CI, prompt shows "ras". 2. Go to "Maintenance > System > General", modify system name as "Test", go to CI, prompt shows "Test". 3. Go to "Maintenance > System > General" again, modify system name back to blank, go to CI, prompt still shows "Test".	
060314123	Symptom: NTP returns wrong time under some conditions. Condition: 1. Now, WAN setting is RFC1483/LLC and IP Address is "17.1.5.92". 2. Go to "Maintenance > System > Time Setting", configure as "Get from Time Server", Time Protocol as "NTP", Time Server Address as "time.windows.com", Time Zone as "GMT-02:00 Mid-Atlantic", enable "Daylight Savings", from "First Sunday of Jan 0 clock" to "First Sunday of May 0 clock", system returns correct time. 3. Modify Time Zone as "GMT+08:00 Taipei" and disable "Daylight Savings", system will return wrong time.	
060315153	Symptom: System displays "ERROR: Duplicate IP Address!" while adding an User-Define rule in NAT forwarding rule. Condition: 1. Now, WAN setting is RFC1483/LLC + Static IP and NAT is "SUA". 2. Go to "Network > NAT > Port Forwarding", select "Service Name: FTP", "Server IP Address: 192.168.1.33" and click "Add" button to add one NAT rule. 3. Select "Service Name: User define", Edit as "Server Name: Test", "Start Port: 1000", "End Port: 1000" and "Server IP Address: 192.168.1.33" and click "Add" button, system displays "ERROR: Duplicate IP Address!" message and doesn't accept.	
060315155	Symptom: If NAT Address Mapping selects "Server", system accepts "Server Mapping Set" as "N/A". Condition: If NAT Address Mapping selects "Server", system accepts "Server Mapping Set" as "N/A". Please filter "N/A". (Check in SMT, it indicates to Server Set 11.)	

060315156	Symptom: Can't add 11th Port Forwarding set in eWC. Condition: If want to add 11th Port Forwarding set, system displays "Max number of Port Forwarding rules can be added is 11" and won't accept. Iin CI, system allow users to add 11th set and can see it in eWC.
060315158	Symptom: Change NAT but system won't take effect frequently. Condition: 1. For example, now, NAT type is "SUA only" and both 2 PCs under DUT can access Internet. 2. Modify NAT as "Full Feature" and NAT rule is "One-to-One". 3. Both 2 PCs can still access Internet. Reboot DUT, it has no problem.
060315160	Symptom: Add keyword has some problem in content filter. Condition: 1. eWC-> Content Filter-> Keyword, enable "Active Keyword Blocking" and click Apply button. 2. Then add keyword " yahoo" in this page, will have error message " ERROR: Add keyword fail.".

060315161	Symptom: Issue for add Firewall rule.
	Condition:
	1. eWC-> Firewall-> Rules page, add 4 Firewall rules for LAN to LAN and the rules are:
	  - Any(ICMP)
	  - AIM/NEW-ICQ(TCP:5190)
	  - AUTH(TCP:113)
	  - BGP(TCP:179)
	2. After last step, you will see 2 rules for AUTH(TCP:113) in this page.

060315162	Symptom: DUT crashes if quickly to delete several firewall rules of "LAN to LAN/ Router". Condition: 1. eWC-> Advanced-> Firewall, add 5 rules for LAN to LAN/ Router. 2. Then quickly delete these 5 rules, DUT crashes. 3. Attached crash dump.
060315164	Symptom: DUT always crashes after modified WAN Backup. Condition: 1. By default, modify WAN setting as PPPoA/LLC + Dynamic IP. 2. Go to "Network > WAN > WAN Backup", configure Backup mode as "ICMP", Check WAN IP Address 1 as "192.168.12.99 (an unreachable IP)", check "Active Traffic Redirect" and backup gateway as "192.168.1.66". 3. System crashes after a while and always crashes even DUT reboots. 4. The same, if configure as "DSL Link", it always crashes, too. 5. Attached exception log.