



Firmware Release Note

Prestige 334W

Release 3.60(JK.4)C0

Date:
Author:

Sep 28, 2005
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ZyXEL Presitge 334W Standard Version release 3.60(JK.4)C0 Release Note

Date: Sep 28, 2005

Supported Platforms:

ZyXEL Prestige 334W

Versions:

ZyNOS F/W Version : V3.60(JK.4) | 09/28/2005 13:57:55

Bootbase Version: V1.04 | 04/01/2004 14:26:50

Notes:

1. This version supports quick route and enabled by default.
2. If Wireless Port Control (SMT Menu 23.4) is “Authentication Required”, P334W will enable 802.1x/WPA/WPA-PSK user authentication mechanism, a wireless user must login the P334W successfully before accessing network service. If Wireless Port Control is “No Authentication Required”, P334W will allow all wireless users to access network service. If Wireless Port Control is “No Access Allowed”, P334W will not allow wireless user to access network service.
3. The Local User Database does not support key generation for 802.1x dynamic web key and WPA pairwise/group key.
4. The first entry of static route is reserved for system and read-only for users.

Known Issues:

1. The device fails to add a firewall ACL rule for NAT server set #12 automatically.
2. Allow NetBIOS traffic between WAN & LAN doesn't work when Firewall is enabled.
3. Computers using Any IP need clear ARP table to access network after p334w reboot.
4. Into SMT 21.1.1.1 TCP/IP Filter rule, save source and destination IP address then back to configure again would show the error message and can not save.
5. Using FTP to upgrade F/W may cause system hang sometimes and need to reboot by manual.
6. Wireless status become down sometimes and system would re-initial wireless automatically.
7. Into SMT 1, DNS server can select Private DNS but eWC cannot select.
8. After romreset, when set First, Second and Third DNS server in Menu 3.2, DHCP

- client can not get the DNS server correctly if we do not plug wan line.
9. When the WAN is set in dynamic, if we add static route on WAN and added this route to routing table, then reset system. The routing table not exist this route.
 10. When we use WEP Encryption, STA use open system only can connect P334w with share key only, vice versa
 11. In wireless throughput test, when WPA PSK mode, the result of RX (STA to AP) is 17.056M

CI Command List:

Features:

Modification in 3.60(JK.4)C0 | 09/29/2005

1. Chang to FCS

Modification in 3.60(JK.4)b8 | 09/21/2005

1. [BUG FIX]

SPRID: 050901018

Symptom: In UPnP, when disable the Universal plug and play (UPnP) Feature, the function of whiteboard can't work from WAN to LAN or from LAN to WAN. When enable the Universal plug and play (UPnP) Feature, enable "allow UPnP to pass through Firewall" at the same time, the function of whiteboard can't work. from WAN to LAN or from LAN to WAN.

Condition: In eWC, if disable the Universal plug and play (UPnP) Feature, whiteboard can't work from WAN to LAN or from LAN to WAN. Step 2: Enable the Universal plug and play (UPnP) Feature, enable "allow UPnP to pass through Firewall" at the same time, the function of whiteboard can't work from WAN to LAN or from LAN to WAN.

2. [BUG FIX]

SPRID: 050914564

Symptom: ZyXEL device learned the wrong ARP info, resulted the PC cannot access Internet.

Condition: 1. Network ID of LAN is 192.168.1.0/24 2. WAN connection is PPPOE 3. There is a PC_A with IP address 192.168.1.33 in LAN 4. There is a PC_B with IP address 192.168.1.33 in WAN 5. PC_A ping to 192.168.1.1. ZyXEL device learned the ARP table 6. PC_B in WAN sent a ARP response(reply) packet to ZyXEL device 7. ZyXEL device learned the wrong ARP info, and PC_A cannot surf Internet.

Modification in 3.60(JK.4)b7 | 08/29/2005

1. [BUG FIX]

SPRID: 050812473

Symptom: WAN side PC can not login the lan side FTP server by DUT wan IP unless reboot DUT

Condition: 1. In menu 15.1.1, add a many to one rule; 2. In menu 15.2, server IP set the lan side PC IP; 3. reboot the DUT; 4. In menu 15.1.1, add a server rule; 5. WAN side pc can not login the lan side FTP server by DUT wan IP unless you reboot DUT

3. [BUG FIX]

SPRID: 050812473

Symptom: DNS can not resolve correctly in menu 24.8

Condition: In menu 24.8, ip ping www.google.com can be resolved correctly, such as 64.233.289.104. but if ip ping www.163.com will be resolved 0.163.0.02

Modification in 3.60(JK.4)b6 | 08/02/2005

1. [BUG FIX]
Symptom: the traceroute can't work with the RH.9 O.S
Condition: Enable Firewall. When the P.C. with Linux RH.9 O.S. behind the IP sharing, use "traceroute" command will fail the second time. The log show our device treat the traceroute packets as attack packets and drop them.
2. [BUG FIX]
Symptom: PPTP connect will drop when higher DSL-Speed as 768/128
3. [BUG FIX]
After configuring 128-bit WEP and performing some tests yesterday, I changed the wireless configuration to WPA-PSK. This morning I changed the configuration to static WEP. The screen displayed 64-bit WEP and the keys were truncated to 64 bits. The 128-bit WEP information should be remembered.
4. [BUG FIX]
Symptom: Configuration problem of BM.
Condition: 1. eWC-> Bandwidth Management, add rule one, Apply.
2. eWC-> Bandwidth Management-> Select rule one-> Edit, not change anything, Apply. Can't save again that display "Destination IP format error!"
5. [BUG FIX]
Symptom: Has different subnet mask IP display in DHCP
Condition: 1. Set a Static DHCP rule for Host A, and the IP not in range of IP Pool. (Ex, Static DHCP IP set 192.168.1.5, IP Pool starting address: 192.168.1.33)
2. Host A gets 192.168.1.5 IP from DUT.
3. Host B gets 192.168.1.33 IP from DUT.
4. eWC-> MAINTENANCE-> DHCP Table, display "192.168.2.31" IP assign to Host B.
6. [BUG FIX]
Symptom & Condition: SIP pass through cannot work with P2002 & P2000W.
7. [BUG FIX]
Symptom & Condition: Bandwidth management problem (usage is not correct and connect to FTP server fail).
TLBS.\src\sys_isr.c:489 sysreset()
8. [BUG FIX]
Symptom: Rom file damaged.
Condition: 1. eWC-> Firewall-> Services, add FTP (TCP: 20, 21) to Blocked Services, Apply.
2. eWC-> Firewall-> Services, delete FTP(TCP:20,21) from Blocked Services, Apply.
3. Reboot DUT, DUT will do crash dump cycle.
9. [BUG FIX]

Symptom: AOL 9.0, Live Video Chat fail.

Condition: PC_1-----P-334W_1-----P-334W_2----- PC_2

1."Live video chat" can't work.

10. [BUG FIX]

Symptom: Error log problem.

Condition: 1. in menu 24.8,"enter sys log err display".

2. You will have the result below, by those dump we can see the serial number are not continuous. And the time was automatically add one hour (the actual time=display time - one hour).

11. [BUG FIX]

Symptom: System exception and reboot occur when system name is up to 30 characters long and enable 802.1X.

Condition: 1. Set SMT 1 system name length longer than 16 characters.

2. Enable 802.1x or WPA.

3. User association.

4. System exception occurs.

12. [BUG FIX]

Symptom: DHCP client does not work on beta user's environment.

Condition: DHCP client not RFC 2131 on rebinding request, according to RFC it should be broadcast where our device is send unicast.

13. [BUG FIX]

Symbol & Condition: when user use the CI Command "ether edit speed" to modify WAN speed, it can not work.

14. [FEATURE ENHANCED]

Add WAN speed configure.

CI command: ether edit speed <auto|10/half|10/full|100/half|100/full>

15. [FEATURE CHANGE]

Remove TMSS functionality and related WEB control.

Modification in 3.60(JK.4)b5 | 09/20/2004

1. [BUG FIX]

Symptom: ICMP packet cannot response.

Condition: 1. Enable Firewall and set default SUA server to a exist host.

2. ICMP packet would be blocked by Firewall.

2. [BUG FIX]

Symptom & Condition: Buttons of multi language cannot work when using Mozilla login.

3. [BUG FIX]

Symptom: Display error in parental control.

Condition: 1. Active parental control.

2. After a period time.

3. In eWC->TMSS->Parental Control, has "0.0.0.0" displayed in address list.

4. [FEATURE CHANGED]

Change the redirect URL of TMSS from IP to domain name.

5. [FEATURE ENHANCED]

Support multi language for blocking page of Parental Control.

6. [BUG FIX]
Symptom: System Crash.
Condition: 1. Set LAN DHCP server to “None”.
2. In eWC->MAINTENANCE, click DHCP Table will cause system crash.

Modification in 3.60(JK.4)b4 | 09/07/2004

1. [BUG FIX]
Symptom: System crash.
Condition: 1. Enable TMSS->Parental Control.
2. Connect to Internet and router would crash sometimes.
2. [FEATURE ENHANCED]
Router will trigger license check if client active register at dashboard.
3. [BUG FIX]
Symptom & Condition: Trend Micro Internet Security 2005 cannot display correctly at eWC.
4. [BUG FIX]
Symptom: Sometimes router reboots by software watchdog.
Condition: 1. Put router on the network for a long time.
2. Sometimes router will reboot by software watchdog.
5. [FEATURE CHANGED]
When enable/disable Trend Micro Security Services at Service Settings, router will also enable/disable Automatically update and parental control.
6. [BUG FIX]
Symptom: Script error occurs when setting static IP via Wizard Setup.
Condition: 1. Turn on IE’s script error notification.
2. Setup static IP via Wizard Setup.
3. Script error occurs when clicking the “Next” button.
7. [BUG FIX]
Symptom & Condition: Html code is displayed on the Parental Control blocking page.

Modification in 3.60(JK.4)b3 | 08/10/2004

1. [BUG FIX]
Symptom & Condition: PPPoE would be triggered by TMSS automatically.
2. [BUG FIX]
Symptom: System Crash.
Condition: 1. Enable TMSS.
2. Client connects to Internet and gets redirected page pop up.
3. System Crash.
3. [BUG FIX]
Symptom: Can’t access “tw.yahoo.com”
Condition: 1. Enable Any IP and TMSS.
2. Client opens “tw.yahoo.com” and gets redirected page pop up.

3. Client can't access "tw.yahoo.com".
4. [BUG FIX]
Symptom & Condition: The number of access attempt at Parental Control increases too fast.
5. [BUG FIX]
Symptom & Condition: When there are 4 clients behind router, the 4th can't get report from router.

Modification in 3.60(JK.4)b2 | 08/02/2004

1. [BUG FIX]
Symptom: Content Filter cannot work.
Condition: 1. Enable URL keyword blocking and add a keyword "hinet".
2. Enable TMSS->Parental Control.
3. When client connects to www.hinet.net, the URL cannot be blocked.
2. [BUG FIX]
Symptom: TMSS cannot work with multi lingual.
Condition: 1. Change language from English to others.
2. Go to TMSS menu, GUI cannot display.
3. [BUG FIX]
Symptom & Condition: Categories setting of Parental Controls would be reset after resetting the statistics.
4. [BUG FIX]
Symptom: Parental Controls statistics problem.
Condition: 1. Enable Parental Controls and select all categories.
2. Disable Blocking Schedule.
3. Access web side matching the categories, it can be forwarded but the actual accesses of statistics is wrong.
5. [BUG FIX]
Symptom: GUI problem.
Condition: 1. Enable Parental Controls.
2. Make 2 PCs to list of Available IP Addresses.
3. Add 2 PCs to Selected IP Addresses.
4. One IP Address appears in both side of Available IP Addresses and Selected IP Addresses.
6. [BUG FIX]
Symptom: Display error.
Condition: 1. Upload 3.60(JK.3)C0 and restore default configuration.
2. Upload 3.60(JK.4)b1.
3. Into eWC->TMSS->Parental Controls, there is "0.0.0.0" in Address List.
7. [BUG FIX]
Symptom: System Crash.
Condition: 1. 4 clients connect to router.
2. All clients do Security Scan and generate report at dashboard of TMSS, then system crash.
8. [BUG FIX]

- Symptom: WPA cannot work.
Condition: 1. Restore default configuration.
2. Into eWC, configure wireless security to WPA.
3. Station cannot connect.
9. [BUG FIX]
Symptom: PPPoE idle timeout cannot work.
Condition: 1. Enable TMSS then has one host go out and redirect to Dashboard of TMSS.
2. PPPoE idle timeout cannot work and can't drop PPPoE in smt 24.1.
10. [BUG FIX]
Symptom: PPPoE traffic block.
Condition: 1. Configure to PPPoE.
2. Enable TMSS and test the function of Dashboard.
3. WAN's packet cannot go out after a period time.
11. [FEATURE CHANGE]
Change default setting of quick route, disable quick route when TMSS enable.
12. [BUG FIX]
Symptom: "Don't remind me" checkbox at Dashboard cannot work.
Condition: 1. Check "Don't remind me" at Home page of Dashboard.
2. The client is not in exception list.
13. [FEATURE CHANGE]
Change the description of Antivirus Software from "83" and "0" to "Internet Security" and "N/A".
14. [BUG FIX]
Symptom: Dashboard's URL is not in exception list.
Condition: 1. Reboot router.
2. Open a browser and connect to Dashboard's URL.
3. When connect to Dashboard Server, the redirected page pops up.
15. [FEATURE CHANGE]
Change the description ">1 day" to "1 day" at Service Settings.
16. [BUG FIX]
Symptom & Condition: Linux machine is detected as "windows no AV".
17. [BUG FIX]
Symptom & Condition: P334W cannot get Engine/Pattern version after rebooting.
18. [BUG FIX]
Symptom & Condition: Build version display "1000/1000" at service summary page.
19. [BUG FIX]
Symptom & Condition: Client PC uses proxy won't be able to access Dashboard.
20. [BUG FIX]
Symptom: Display error.
Condition: 1. Check "Don't remind me" at Dashboard page.
2. Into eWC, it shows "128.110.2.224" at exception list.
21. [FEATURE CHANGE]
Change vender ID from "TWG1001001" to "TWS1001001".
22. [FEATURE CHANGE]
Change "Antivirus Protection" to "Virus Protection" and remove string "PC-cillin".

Modification in 3.60(JK.4)b1 | 07/14/2004

1. [FEATURE ENHANCED]
Support Trend Micro Security Services.

Modification in 3.60(JK.3)C0 | 07/14/2004

1. [FEATURE CHANGED]
Convert to FCS version.

Modification in 3.60(JK.3)b2 | 07/08/2004

23. [BUG FIX]
Symptom: GUI wording wrong.
Condition: The word “YOU” in the warning page of firmware upgrade should be “YOUR”.
24. [BUG FIX]
Symptom & Condition: Into eWC (Spain language)->Wireless, there is only 802.11b in selecting box of 802.11 Mode.
25. [BUG FIX]
Symptom: GUI wording wrong.
Condition: Into eWC (French Language)->Advance->WAN, “Fournisseur WAN” should be “ISP WAN”.
26. [BUG FIX]
Symptom: Bandwidth Management Wizard cannot save.
Condition: 1. Enable bandwidth management and all default rule.
2. Save the configuration.
3. Disable the email rule of bandwidth management.
4. Wizard cannot save.
27. [FEATURE ENHANCED]
Add a CI command “ip nat AOL-version9 <on|off>”. Enable AOL-version9 to support AOL version above 9, disable AOL-version9 to support AOL version under 8. The default setting of AOL-version9 is on.
28. [BUG FIX]
Symptom: PPPoE dial automatically.
Condition: 1. Dial PPPoE then drop the connection.
2. After a period time, PPPoE would be triggered by LAN packet.
29. [BUG FIX]
Symptom: System crash.
Condition: 1. Into eWC->ADVANCE->WAN->WAN ISP, set NAT to full feature.
2. Into eWC->ADVANCE->SUA/NAT->Address Mapping, edit three one-to-one rule and one server rule.
3. Delete the all NAT mapping rule, system crash.
30. [BUG FIX]
Symptom: Content filter have some problem.

- Condition: 1. In eWC->firewall->filter.
2. Filter "ActiveX" or "JAVA".
3. Go to <http://java.sun.com/applets/other/UnderConstruction/index.html>. Page is blocked but cannot display Denied Access Message.
31. [FEATURE ENHANCED]
Add CI command "ip alg enable/ disable" to enable/disable unified ALG. Default is enabled. CI command "ip alg display" to display information of each ALG.
32. [BUG FIX]
Symptom: eWC configuration cannot be saved.
Condition: 1. Into eWC->ADVANCED->WAN->WAN IP, change setting to fixed IP address.
2. Saving Configuration, sometimes Gateway IP address cannot be saved.
33. [BUG FIX]
Symptom: System Crash.
Condition: Using session.exe to generate lots of TCP port 80 sessions to P334W would cause device system reset.

Modification in 3.60(JK.3)b1 | 06/07/2004

1. [FEATURE ENHANCED]
Change AP F/W version from 1.0.2.0 to 1.0.4.3.
2. [FEATURE ENHANCED]
Add AT command "atld" to upload ROM file and write the ROM file to replace default ROM file.
3. [FEATURE ENHANCED]
Support Multi Lingual for France, Spain, and Italy.
4. [FEATURE ENHANCED]
Add CI command "ip nat timeout udpIdle [seconds]" to change the value of UDP timeout, default value of UDP timeout is 300 seconds.
5. [BUG FIX]
Symptom: System Crash by memory leak.
Condition: 1. Add 10 address mapping rule in SMT15.1.1 then delete them all.
2. Repeat Step1 for several times, system crash.
6. [BUG FIX]
Symptom: Wrong configuration of SMT 3.2.
Condition: 1. Go to SMT 3.2.
2. Set DHCP client IP starting address to be 192.168.2.3.
3. Set LAN IP address to be 192.168.1.1, then confirm to save.
4. These setting can be saved and no error message.
7. [BUG FIX]
Symptom: Wrong configuration of SMT 3.2.1.
Condition: 1. Go to SMT 3.2.1.
2. Set IP address to be 192.168.2.3 and subnet mask to be 255.255.255.255.
3. These setting can be saved and no error message.
8. [BUG FIX]
Symptom: IKE negotiation fails when NAT traversal is enabled.

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Condition: When enabling NAT traversal and setting local ID type as DNS or Email, IKE negotiation fails.

9. [BUG FIX]

Symptom: In eWC, wizard cannot save sometimes.

Condition: 1. Change encapsulation from PPPoE to Ethernet.

2. Wizard cannot save and display error message sometimes.

Modification in 3.60(JK.2)C0 | 05/21/2004

1. [FEATURE ENHANCED]

Convert to FCS version.

Modification in 3.60(JK.2)b5 | 05/11/2004

1. [FEATURE CHANGED]

Change procedure of reboot to decrease the opportunity of system hanging after using FTP to upgrade F/W.

2. [BUG FIX]

Symptom: For UPnP, MSN Messenger 6.1 voice function cannot work.

Condition: 1. Network topology: PC_A<->Router_A<->internet<->Router_B<->PC_B.

2. PC_A and PC_B add windows UPnP components.

3. Router_A and Router_B enable UPnP function.

4. The MSN Messenger 6.1 voice function cannot work between PC_A and PC_B.

3. [BUG FIX]

Symptom: Ping fail.

Condition: 1. Using one PC connect with LAN, another one connect with WLAN.

2. Both two PC continues ping P334W, ping would fail in LAN side after a period time.

Modification in 3.60(JK.2)b4 | 05/10/2004

1. [BUG FIX]

Symptom: System Crash.

Condition: 1. Enable Media Bandwidth Management and define a rule for FTP.

2. Download files from WAN to LAN.

3. When the files download, delete the rule of FTP. System crash.

2. [BUG FIX]

Symptom: GUI word wrong.

Condition: Choosing Traditional Chinese and into eWC->Wireless, the description of 128 bite WEB key should be 26 digit.

Modification in 3.60(JK.2)b3 | 04/30/2004

1. [BUG FIX]

Symptom: System Crash.

- Condition: 1.Enable Syslog and using eMule.
2. When the NAT session full and send syslog to server sometimes would cause system crash.
2. [BUG FIX]
Symptom: Can not configure.
Condition: Can not configure server IP address of Telia server in wizard.
3. [BUG FIX]
Symptom: Traffic block.
Condition: Stress test for a period time, traffic can not send to WAN side but can receive from LAN side.
4. [BUG FIX]
Symptom: Hardware watch dog trigger.
Condition: 1.Using FTP download from WAN to LAN and enable Firewall, WPA-PSK.
2. After a period time, system reboot by hardware watch dog.
5. [BUG FIX]
Symptom: Can not change from PPPoE to Ethernet.
Condition: 1. Configure encapsulation to PPPoE.
2. Reset device and configure encapsulation to Ethernet would fail.

Modification in 3.60(JK.2)b2 | 04/22/2004

1. [BUG FIX]
Symptom: System Crash.
Condition: Setup a VPN tunnel and make traffic go trough then system crash.
2. [BUG FIX]
Symptom: System Crash.
Condition: 1. FTP upload and download files from WLAN to WAN for a period time.
2. Stop FTP then system crash.
3. [BUG FIX]
Symptom: System Crash.
Condition: 1. Enable UPNP.
2. Run MSN messenger 6.1 in LAN side and windows messenger 4.7 in WAN side.
3. Asking remote assistance from WAN side then system crash.
4. [BUG FIX]
Symptom: System Crash.
Condition: 1. Set NAT to full feature.
2. In SMT 3.2, set Multicast to IGMP-v1 or IGMP-v2 then system crash.
5. [BUG FIX]
Symptom: Logs wrong.
Condition: 1. Into eWC->ADVANCE->LOGS->Log Settings, enable all log.
2. Enable NetBIOS over TCP/IP between LAN and WAN.
3. Into eWC->ADVANCE->LOGS, logs would show "Delete on any IP entry" in packet filter log.
6. [BUG FIX]
Symptom: System Crash.

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- Condition: 1. Configure WAN to Ethernet.
2. Using WiFiPhone to test SIP pass through.
3. Change WAN to PPPoE mode.
4. Using WiFiPhone to test SIP pass through and change WAN network system crash.
7. [BUG FIX]
Symptom: Traffic block to WAN and LAN.
Condition: 1. Set a static system DNS.
2. One PC connect to LAN and another PC connect to WAN which using static IP.
3. Download files from WAN to LAN for a while, traffic can not go through WAN and LAN.
8. [BUG FIX]
Symptom: System Crash.
Condition: 1. Enable all default setting of media bandwidth management.
2. Into eWC->ADVANCE->Bandwidth->Monitor, stay in monitor for a while then system crash.
9. [BUG FIX]
Symptom: DNS relay of LAN can not work.
Condition: 1. Set DNS server of LAN to DNS relay.
2. Configure WAN to PPPoE mode and get IP and DNS from Server.
3. From LAN, ping a exist domain name would fail.
10. [FEATURE CHANGED]
Logout screen would ask user to close window or not.
11. [FEATURE CHANGED]
Multi lingual only support English, German, and Traditional Chinese.
12. [FEATURE CHANGED]
Remove the Online Help.

Modification in 3.60(JK.2)b1 | 04/8/2004

1. [FEATURE ENHANCED]
Sync code from trunk at 03/18/2004.
2. [FEATURE ENHANCED]
Support Bandwidth Management.
3. [FEATURE ENHANCED]
Support Any IP.
4. [FEATURE ENHANCED]
Support SIP pass through.
5. [FEATURE ENHANCED]
Support PPTP with dynamic IP.
6. [FEATURE ENHANCED]
Support Multi lingual
7. [FEATURE CHANGED]
Change default setting of quick route, disable quick route when firewall or bandwidth management enable.

Modification in 3.60(JK.1)C0 | 04/2/2004

1. [FEATURE ENHANCED]
Convert to FCS version.

Modification in 3.60(JK.0)C0 | 03/24/2004

1. [FEATURE ENHANCED]
Convert to FCS version.

Modification in 3.60(JK.0)b6 | 03/23/2004

1. [BUG FIX]
Symptom: System Crash.
Condition: 1. eWC->Logs->Logs setting select “Clear log after sending mail”, Logs->”Blocked Web Sites”, and Send immediate alert-> “Blocked Web Sites”.
2. eWC->FIREWALL->Filter, enable URL Keyword Blocking and add keyword “zyxel”.
3. Open “www.zyxel.com” then system crash.
2. [FEATURE ENHANCED]
Enable Firewall and disable UPNP by default.

Modification in 3.60(JK.0)b5 | 03/16/2004

1. [BUG FIX]
Symptom: Memory leak and cause system crash after running eMule for a while.
Condition: 1.Using eMule download files for a while.
2. Using CI command “sys memu mq” would find the memory size of “0040” is not enough.
2. [BUG FIX]
Symptom: Traffic block.
Condition: 1. Start p334w with NAT for a while.
2. Traffic would be dropped in p334w.
3. [BUG FIX]
Symptom: Console show error message.
Condition: 1. Disable WLAN and enable WPA-PSK authentication.
2. After the Broadcast key update timer arrived, the console would show “Error: Management FreeQ not enough entries”.

Modification in 3.60(JK.0)b4 | 03/10/2004

1. [BUG FIX]
Symptom: Hardware watchdog trigger.
Condition: 1. Doing Smartbit stress test and enable WLAN.
2. After one minutes, P334W would trigger hardware watchdog.
2. [FEATURE ENHANCED]

Change default nat session to 256 and watchdog counter to 600.

Modification in 3.60(JK.0)b3 | 03/5/2004

1. [BUG FIX]
Symptom & Condition: Using CI command “ip nat hash enif1” would cause exception.
2. [BUG FIX]
Symptom & Condition: Using CI command “sys mbuf disp 10” would cause exception.
3. [BUG FIX]
Symptom: Using eWC configure DDNS can not save setting.
Condition: 1. Enter eWC->System->DDNS, and configure DDNS setting.
2. Enter SMT 1.1, the setting is not the same with eWC.
4. [BUG FIX]
Symptom: PPPoE would drop for a period time.
Condition: 1. Dial with PPPoE and make traffic go through WAN side.
2. Setting SMT 2->Idle Timeout to 30, PPPoE will be drop after 30 secs.
5. [BUG FIX]
Symptom: eWC has garbage message.
Condition: Into eWC->VPN->Rule Setup, there is garbage message “#\${}?” in this page
6. [BUG FIX]
Symptom: eWC display problem.
Condition: Into eWC->VPN->SA Monitor, Refresh button display wrong.
7. [BUG FIX]
Symptom & Condition: Using Smartbit stress test and enable wireless, it would show “error: error alloc mbuf” on the console.
8. [BUG FIX]
Symptom: Help page is not available.
Condition: Into eWC->UPNP, the help link is not available.
9. [BUG FIX]
Symptom: Default WPA setting wrong.
Condition: 1.Into eWC->WIRELESS->802.1x/WPA and select Authentication Required within WPA-PSK.
2. Default setting of Pre-Shared Key is “12345678”.
10. [BUG FIX]
Symptom: Default romfile setting wrong.
Condition: 1. Restore Default romfile.
2. Into SMT 24.1, System name would display garbage message.
11. [BUG FIX]
Symptom: eWC display wrong.
Condition: 1. Into eWC->MAINTENANCE->Show Statistics, the status of WLAN is 54 not 54M.
12. [BUG FIX]
Symptom: ARP table add wrong.

- Condition: 1. P334W connect WAN.
2. Using CI command "ip arp status" to see ARP table, it would learn lots of ARP.
13. [BUG FIX]
Symptom: Help page display wrong
Condition: Help page for Wizard, Wireless, Content Filter, SNMP, Association List, and Restart, the Html titles display wrong.
14. [BUG FIX]
Symptom: Ram size display wrong.
Condition: Using CI command "sys atsh", ram size display 2113536 K bytes.

Modification in 3.60(JK.0)b2 | 02/23/2004

1. [FEATURE ENHANCED]
Change Copyright string from 1994-2003 to 1994-2004.
2. [BUG FIX]
Symptom: Login system via Web, Browser title displayed "Zyxel Router" only, it's should be add model name in here.
3. [BUG FIX]
Symptom: WLAN status display "216" in Web, It's different with SMT.
4. [BUG FIX]
Symptom: Can't upload Rom file via eWC.
Condition: When you upload rom file via eWC, Browser will display " can't link the page." (IE ver 5.00.2920)
5. [BUG FIX]
Symptom & Condition: Wireless unavailable after run wireless (WPA-PSK) ftp stress test. And DUT display error message to console "Error: Management FreeQ not enough entries, fragments: 0x01".
6. [BUG FIX]
Symptom & Condition: SmartBit throughput test results is fail. LAN to WAN (NAT off) get 73M, WAN to LAN (NAT off) has only 30M.
7. [BUG FIX]
Symptom & Condition: Issue command "sys mbuf disp 0" will cause P334W exception.
8. [BUG FIX]
Symptom & Condition: Telnet to menu 24.1, "ZyNOS F/W Version+ V3.60(JK.0)b1" should be "ZyNOS F/W Version : V3.60(JK.0)b1".
9. [BUG FIX]
Symptom: PPPoE/ PPTP dial to ISP, did not get IP of DNS server.
Condition: Dial to ISP can't get DNS server when DUT setting Encapsulation = PPPoE(or PPTP) & System DNS Servers = From ISP. (Issue CI command " ip dns st disp " to view system dns server is blank, and use domain name to synchronize time server is fail.)
10. [BUG FIX]
Symptom: P334W will forever occur exception.
Condition: Setting Encapsulation= PPPoE and enable MAC clone then plug ethernet of PQA LAB in wan port and power off/ on, P334W will forever occur exception.

11. [BUG FIX]
Symptom: DNS server in Wizard 4.
Condition: When you configure DNS server in Wizard 4 that will save to LAN DNS, wish it save to System DNS.
12. [BUG FIX]
Symptom: Route name bug for static route.
Condition: Telnet into menu 12.1 and saved 9 characters in Route name successfully, then you will see that only show 8 characters in eWC.
13. [BUG FIX]
Symptom: Authentication Databases for WPA.
Condition: P334W's internal Radius server (local user) doesn't support WPA. But in eWC--> Wireless-->802.1x/WPA, Authentication Databases for WPA has "Local User Database" select item, It's should be has Radius server only.
14. [BUG FIX]
Symptom & Condition: While we set DDNS by detect "Server Auto Detect", then device can not update host name.
15. [BUG FIX]
Symptom: Save different subnet mask for WAN IP & Gateway IP
Condition: Into eWC--> WAN--> WAN IP, If we key in different subnet mask for WAN IP & Gateway IP then save, the system will response "Configuration updated successfully", in fact, that is not save into system. Wish add a error message to remind user.
16. [BUG FIX]
Symptom & Condition: WLAN's led has not blanking when heavy traffic.
17. [BUG FIX]
Symptom & Condition: LAN's & WAN's led will be light on when DUT in bebug mode.
18. [BUG FIX]
Symptom & Condition : DUT exception after do wireless (WPA-PSK) test.
19. [FEATURE ENHANCED]
Update eWC online help.
20. [FEATURE ENHANCED]
Change CI command "ip adjmss 0" to support auto-configure MSS size according MTU size, the default mss is 0.

Modification in 3.60(JK.0)b1 | 01/30/2004

1. First firmware release

Annex A CI Command List

Last Updated: 2002/11/26

Command Class List Table		
System Related Command	Exit Command	Device Related Command
Ethernet Related Command	POE Related Command	PPTP Related Command
Configuration Related Command	IP Related Command	IPSec Related Command
Firewall Related Command	Wireless LAN Related Command	Bridge Related Command
Radius Related Command	802.1x Related Command	

System Related Command

[Home](#)

Command			Description
sys			
	adjtime		retrive date and time from Internet
	callhist		
	display		display call history
	remove	<index>	remove entry from call history
	countrycode	[countrycode]	set country code
	date	[year month date]	set/display date
	domainname		display domain name
	edit	<filename>	edit a text file
	extraphnum		maintain extra phone numbers for outcalls
	add	<set 1-3> <1 st phone num> [2 nd phone num]	add extra phone numbers
	display		display extra phone numbers
	node	<num>	set all extend phone number to remote node <num>
	remove	<set 1-3>	remove extra phone numbers
	reset		reset flag and mask
	feature		display feature bit
	hostname	[hostname]	display system hostname
	logs		
	category		
		access [0:none/1:log/2:alert/3:both]	record the access control logs
		attack [0:none/1:log/2:alert/3:both]	record and alert the firewall attack logs
		display	display the category setting
		error [0:none/1:log/2:alert/3:both]	record and alert the system error logs
		ipsec [0:none/1:log/2:alert/3:both]	record the access control logs
		ike [0:none/1:log/2:alert/3:both]	record the access control logs
		javablocked [0:none/1:log]	record the java etc. blocked logs
		mten [0:none/1:log]	record the system maintenance logs
		upnp [0:none/1:log]	record upnp logs
		urlblocked [0:none/1:log/2:alert/3:both]	record and alert the web blocked logs
		urlforward [0:none/1:log]	record web forward logs
	clear		clear log
	display	[access attack error ipsec ike javablocked mten urlblocked urlforward]	display all logs or specify category logs
	errlog		
		clear	display log error
		disp	clear log error
		online	turn on/off error log online display
	load		load the log setting buffer
	mail		

		alertAddr [mail address]	send alerts to this mail address
		display	display mail setting
		logAddr [mail address]	send logs to this mail address
		schedule display	display mail schedule
		schedule hour [0-23]	hour time to send the logs
		schedule minute [0-59]	minute time to send the logs
		schedule policy [0:full/1:hourly/2:daily/3:weekly/4:none]	mail schedule policy
		schedule week [0:sun/1:mon/2:tue/3:wed/4:thu/5:fri/6:sat]	weekly time to send the logs
		server [domainName/IP]	mail server to send the logs
		subject [mail subject]	mail subject
	save		save the log setting buffer
	syslog		
		active [0:no/1:yes]	active to enable unix syslog
		display	display syslog setting
		facility [Local ID(1-7)]	log the messages to different files
		server [domainName/IP]	syslog server to send the logs
log			
	clear		clear log error
	disp		display log error
	online	[on off]	turn on/off error log online display
	resolve		Resolve mail server and syslog server address
mbuf			
	link	link	list system mbuf link
	pool	<id> [type]	list system mbuf pool
	status		display system mbuf status
	disp	<address>	display mbuf status
	cnt		
		disp	display system mbuf count
		clear	clear system mbuf count
	debug	[on off]	
pwderrtm		[minute]	Set or display the password error blocking timeout value.
rn			
	load	<entry no.>	load remote node information
	disp	<entry no.>(0:working buffer)	display remote node information
	nat	<none sua full_feature>	config remote node nat
	nailup	<no yes>	config remote node nailup
	mtu	<value>	set remote node mtu
	save	[entry no.]	save remote node information
smt			not support in this product
stdio		[minute]	change terminal timeout value
time		[hour [min [sec]]]	display/set system time
trcdisp			monitor packets
trclog			
trcpacket			
syslog			
	server	[destIP]	set syslog server IP address
	facility	<FacilityNo>	set syslog facility
	type	[type]	set/display syslog type flag
	mode	[on off]	set syslog mode

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	version			display RAS code and driver version
	view		<filename>	view a text file
	wdog			
		switch	[on/off]	set on/off wdog
		cnt	[value]	display watchdog counts value: 0-34463
	romreset			restore default romfile
	server			
		access	<telnet ftp web icmp snmp dns> <value>	set server access type
		load		load server information
		disp		display server information
		port	<telnet ftp web snmp> <port>	set server port
		save		save server information
		secureip	<telnet ftp web icmp snmp dns> <ip>	set server secure ip addr
	fwnotify			
		load		load fwnotify entry from spt
		save		save fwnotify entry to spt
		url	<url>	set fwnotify url
		days	<days>	set fwnotify days
		active	<flag>	turn on/off fwnotify flag
		disp		display firmware notify information
		check		check firmware notify event
		debug	<flag>	turn on/off firmware notify debug flag
	cmgr			
		trace		
			disp <ch-name>	show the connection trace of this channel
			clear <ch-name>	clear the connection trace of this channel
		cnt	<ch-name>	show channel connection related counter
	socket			display system socket information
	filter			
		netbios		
	roadrunner			
		debug	<level>	enable/disable roadrunner service 0: diable <default> 1: enable
		display	<iface name>	display roadrunner information iface-name: enif0, wanif0
		restart	<iface name>	restart roadrunner
	ddns			
		debug	<level>	enable/disable ddns service
		display	<iface name>	display ddns information
		restart	<iface name>	restart ddns
		logout	<iface name>	logout ddns
	cpu			
		display		display CPU utilization
	filter			
		netbios		
	upnp			
		active	[0:no/1:yes]	Activate or deactivate the saved upnp settings
		config	[0:deny/1:permit]	Allow users to make configuration changes. through UPnP
		display		display upnp information
		firewall	[0:deny/1:pass]	Allow UPnP to pass through Firewall.
		load		save upnp information
		save		save upnp information

Exit Command

[Home](#)

Command				Description
exit				exit smt menu

Device Related Command

[Home](#)

Command				Description
dev				
	channel			
		drop	<channel_name>	drop channel
	dial		<node#>	dial to remote node

Ethernet Related Command

[Home](#)

Command				Description
ether				
	config			display LAN configuration information
	driver			
		cnt		
			disp <name>	display ether driver counters
		ioctl	<ch_name>	Useless in this stage.
		status	<ch_name>	see LAN status
	version			see ethernet device type
	pkttest			
		disp		
			packet <level>	set ether test packet display level
			event <ch> [on/off]	turn on/off ether test event display
		sap	[ch_name]	send sap packet
		arp	<ch_name> <ip-addr>	send arp packet to ip-addr
	debug			
		disp	<ch_name>	display ethernet debug information
		level	<ch_name> <level>	set the ethernet debug level level 0: disable debug log level 1:enable debug log (default)
	edit			
		load	<ether no.>	load ether data from spt
		mtu	<value>	set ether data mtu
		accessblock	<0:disable 1:enable>	block internet access
		save		save ether data to spt

POE Related Command

[Home](#)

Command				Description
poe				
	status		[ch_name]	see poe status
	dial		<node>	dial a remote node
	drop		<node>	drop a pppoe call
	ether		[rfc]3com]	set /display pppoe ether type

PPTP Related Command

[Home](#)

Command				Description
pptp				
	dial		<rn-name>	dial a remote node
	drop		<rn-name>	drop a remote node call
	tunnel		<tunnel id>	display pptp tunnel information

Command				Description
config				The parameters of config are listed below.
edit	firewall	active <yes no>		Activate or deactivate the saved firewall settings
retrieve	firewall			Retrieve current saved firewall settings
save	firewall			Save the current firewall settings
display	firewall			Displays all the firewall settings
		set <set#>		Display current entries of a set configuration; including timeout values, name, default-permit, and number of rules in the set.
		set <set#>	rule <rule#>	Display current entries of a rule in a set.
		attack		Display all the attack alert settings in PNC
		e-mail		Display all the e-mail settings in PNC
		?		Display all the available sub commands
		e-mail	mail-server <mail server IP>	Edit the mail server IP to send the alert
			return-addr <e-mail address>	Edit the mail address for returning an email alert
			e-mail-to <e-mail address>	Edit the mail address to send the alert
			policy <full hourly daily weekly>	Edit email schedule when log is full or per hour, day, week.
			day <sunday monday tuesday wednesday thursday friday saturday>	Edit the day to send the log when the email policy is set to Weekly
			hour <0~23>	Edit the hour to send the log when the email policy is set to daily or weekly
			minute <0~59>	Edit the minute to send to log when the email policy is set to daily or weekly
			Subject <mail subject>	Edit the email subject
		attack	send-alert <yes no>	Activate or deactivate the firewall DoS attacks notification emails
			block <yes no>	Yes: Block the traffic when exceeds the tcp-max-incomplete threshold
				No: Delete the oldest half-open session when exceeds the tcp-max-incomplete threshold
			block-minute <0~255>	Only valid when sets 'Block' to yes. The unit is minute
			minute-high <0~255>	The threshold to start to delete the old half-opened sessions to minute-low
			minute-low <0~255>	The threshold to stop deleting the old half-opened session
			max-incomplete-high <0~255>	The threshold to start to delete the old half-opened sessions to max-incomplete-low
			max-incomplete-low <0~255>	The threshold to stop deleting the half-opened session
			tcp-max-incomplete <0~255>	The threshold to start executing the block field
		set <set#>	name <desired	Edit the name for a set

			name>		
			default-permit <forward block>		Edit whether a packet is dropped or allowed when it does not match the default set
			icmp-timeout <seconds>		Edit the timeout for an idle ICMP session before it is terminated
			udp-idle-timeout <seconds>		Edit the timeout for an idle UDP session before it is terminated
			connection-timeout <seconds>		Edit the wait time for the SYN TCP sessions before it is terminated
			fin-wait-timeout <seconds>		Edit the wait time for FIN in concluding a TCP session before it is terminated
			tcp-idle-timeout <seconds>		Edit the timeout for an idle TCP session before it is terminated
			pnc <yes no>		PNC is allowed when 'yes' is set even there is a rule to block PNC
			log <yes no>		Switch on/off sending the log for matching the default permit
			rule <rule#>	permit <forward block>	Edit whether a packet is dropped or allowed when it matches this rule
				active <yes no>	Edit whether a rule is enabled or not
				protocol <0~255>	Edit the protocol number for a rule. 1=ICMP, 6=TCP, 17=UDP...
				log <none match not-match both>	Sending a log for a rule when the packet none matches not match both the rule
				alert <yes no>	Activate or deactivate the notification when a DoS attack occurs or there is a violation of any alert settings. In case of such instances, the function will send an email to the SMTP destination address and log an alert.
				srcaddr-single <ip address>	Select and edit a source address of a packet which complies to this rule
				srcaddr-subnet <ip address> <subnet mask>	Select and edit a source address and subnet mask if a packet which complies to this rule.
				srcaddr-range <start ip address> <end ip address>	Select and edit a source address range of a packet which complies to this rule.
				destaddr-single <ip address>	Select and edit a destination address of a packet which complies to this rule
				destaddr-subnet <ip address> <subnet mask>	Select and edit a destination address and subnet mask if a packet which complies to this rule.
				destaddr-range <start ip address> <end ip address>	Select and edit a destination address range of a packet which complies to this rule.
				tcp destport-single <port#>	Select and edit the destination port of a packet which comply to this rule. For non-consecutive port numbers, the user may repeat this command line to enter the multiple port numbers.
				tcp destport-range <start port#> <end port#>	Select and edit a destination port range of a packet which comply to this rule.
				udp destport-single <port#>	Select and edit the destination port of a packet which comply to this rule. For non-consecutive port numbers, users may repeat this command line to enter the multiple port numbers.
				udp destport-range <start port#> <end port#>	Select and edit a destination port range of a packet which comply to this rule.
				desport-custom <desired	Type in the desired custom port name

				custom port name>	
delete	firewall	e-mail			Remove all email alert settings
		attack			Reset all alert settings to defaults
		set <set#>			Remove a specified set from the firewall configuration
		set <set#>	rule <rule#>		Remove a specified rule in a set from the firewall configuration
insert	firewall	e-mail			Insert email alert settings
		attack			Insert attack alert settings
		set <set#>			Insert a specified rule set to the firewall configuration
		set <set#>	rule <rule#>		Insert a specified rule in a set to the firewall configuration
cli					Display the choices of command list.
debug	<1 0>				Turn on/off trace for firewall debug information.

Wireless LAN Related Command

[Home](#)

Command				Description
wlan				
	active		[on off]	set on/off wlan
	association			display association list
	chid		[channel id]	set channel
	diagnose			self-diagnostics
	essid		[ess id]	set ESS ID
	version			display WLAN version information

Bridge Related Command

[Home](#)

Command				Description
Bridge				
	cnt			related to bridge routing statistic table
		Disp		display bridge route counter
		Clear		clear bridge route counter
	stat			related to bridge packet statistic table
		Disp		display bridge route packet counter
		Clear		clear bridge route packet counter

Radius Related Command

[Home](#)

Command				Description
Radius				
	auth			show current radius authentication server configuration
	acct			show current radius accounting server configuration

802.1x Related Command

[Home](#)

Command				Description
8021x				
	debug	Level	[debug level]	set ieee802.1x debug message level
		Trace		show all supplications in the supplication table
		User	[username]	show the specified user status in the supplicant table

IP Related Command

[Home](#)

Command				Description
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ip				
	address		[addr]	display host ip address
	alias		<iface>	alias iface
	aliasdis		<0 1>	disable alias
	arp			
		status	<iface>	display ip arp status
	dhcp		<iface>	
		client		
			release	release DHCP client IP
			renew	renew DHCP client IP
		status	[option]	show dhcp status
	dns			
		query		
		server	<primary> [secondary] [third]	set dns server
		stats		
			clear	clear dns statistics
			disp	display dns statistics
	httpd			
	icmp			
		status		display icmp statistic counter
		discovery	<iface> [on off]	set icmp router discovery flag
	ifconfig		[iface] [ipaddr] [broadcast <addr> mtu <value>dynamic]	configure network interface
	ping		<hostid>	ping remote host
	route			
		status	[if]	display routing table
		add	<dest_addr default>[/<bits>] <gateway> [<metric>]	add route
		addiface	<dest_addr default>[/<bits>] <gateway> [<metric>]	add an entry to the routing table to iface
		addprivate	<dest_addr default>[/<bits>] <gateway> [<metric>]	add private route
		drop	<host addr> [/<bits>]	drop a route
	smtp			
	status			display ip statistic counters
	stroute			
		display	[rule # buf]	display rule index or detail message in rule.
		load	<rule #>	load static route rule in buffer
		save		save rule from buffer to spt.
		config		
			name <site name>	set name for static route.
			destination <dest addr>[/<bits>] <gateway> [<metric>]	set static route destination address and gateway.
			mask <IP subnet mask>	set static route subnet mask.
			gateway <IP address>	set static route gateway address.
			metric <metric #>	set static route metric number.
			private <yes no>	set private mode.
			active <yes no>	set static route rule enable or disable.
	traceroute		<host> [ttl] [wait] [queries]	send probes to trace route of a remote host
	xparent			
		join	<iface1> [<iface2>]	join iface2 to iface1 group
		break	<iface>	break iface to leave ipxparent group
	ave			anti-virus enforce
	urlfilter			

	reginfo		
		display	display urlfilter registration information
		name	set urlfilter registration name
		eMail <size>	set urlfilter registration email addr
		country <size>	set urlfilter registration country
		clearAll	clear urlfilter register information
	category		
		display	display urlfilter category
		webFeature [block/nonblock] [activex/java/cookei/webproxy]	block or unblock webfeature
		logAndBlock [log/logAndBlock]	set log only or log and block
		blockCategory [block/nonblock] [all/type(1-14)]	block or unblock type
		timeOfDay [always/hh:mm] [hh:mm]	set block time
		clearAll	clear all category information
	listUpdate		
		display	display listupdate status
		actionFlags [yes/no]	set listupdate or not
		scheduleFlag [pending]	set schedule flag
		dayFlag [pending]	set day flag
		time [pending]	set time
		clearAll	clear all listupdate information
	exemptZone		
		display	display exemptzone information
		actionFlags [type(1-3)][enable/disable]	set action flags
		add [ip1] [ip2]	add exempt range
		delete [ip1] [ip2]	delete exempt range
		clearAll	clear exemptzone information
	customize		
		display	display customize action flags
		actionFlags[filterList/disableAllExceptTrusted/unblockRWFTToTrusted/keywordBlock/fullPath/caseInsensitive/fileName][enable/disable]	set action flags
		logFlags [type(1-3)][enable/disable]	set log flags
		add [string] [trust/untrust/keyword]	add url string
		delete [string] [trust/untrust/keyword]	delete url string
		clearAll	clear all information
	logDisplay		display cyber log
	ftplist		update cyber list data
	listServerIP	<ipaddr>	set list server ip
	listServerName	<name>	set list server name
tredir			
	failcount	<count>	set tredir failcount
	partner	<ipaddr>	set tredir partner
	target	<ipaddr>	set tredir target
	timeout	<timeout>	set tredir timeout
	checktime	<period>	set tredir checktime
	active	<on/off>	set tredir active
	save		save tredir information
	disp		display tredir information
	debug	<value>	set tredir debug value

	nat			
		server		
			disp	display nat server table
			load <set id>	load nat server information from ROM
			save	save nat server information to ROM
			clear <set id>	clear nat server information
			edit active <yes no>	set nat server edit active flag
			edit svrport <start port> [end port]	set nat server server port
			edit intport <start port> [end port]	set nat server forward port
			edit remotehost <start ip> [end ip]	set nat server remote host ip
			edit leasetime [time]	set nat server lease time
			edit rulename [name]	set nat server rule name
			edit forwardip [ip]	set nat server server ip
			edit protocol [protocol id]	set nat server protocol
			edit clear	clear one rule in the set
		service		
			irc [on off]	turn on/off irc flag
		resetport		reset all nat server table entries
		incikeport	[on off]	turn on/off increase ike port flag
	igmp			
		debug	[level]	set igmp debug level
		forwardall	[on off]	turn on/off igmp forward to all interfaces flag
		querier	[on off]	turn on/off igmp stop query flag
		iface		
			<iface> grouptm <timeout>	set igmp group timeout
			<iface> interval <interval>	set igmp query interval
			<iface> join <group>	join a group on iface
			<iface> leave <group>	leave a group on iface
			<iface> query	send query on iface
			<iface> rsptime [time]	set igmp response time
			<iface> start	turn on of igmp on iface
			<iface> stop	turn off of igmp on iface
			<iface> ttl <threshold>	set ttl threshold
			<iface> v1compat [on off]	turn on/off v1compat on iface
		robustness	<num>	set igmp robustness variable
		status		dump igmp status
	pr			

IPSec Related Command

[Home](#)

		Command		Description
ipsec				
	debug	<1 0>		turn on/off trace for IPsec debug information
	ipsec_log_disp			show IPsec log, same as menu 27.3
	route	lan	<on off>	After a packet is IPsec processed and will be sent to LAN side, this switch is to control if this packet can be applied IPsec again. Remark: Command available since 3.50(WA.3)
		wan	<on off>	After a packet is IPsec processed and will be sent to WAN side, this switch is to control if this packet can be applied IPsec again. Remark: Command available since 3.50(WA.3)
	show_runtime	sa		display runtime phase 1 and phase 2 SA information
		spd		When a dynamic rule accepts a request and a

				tunnel is established, a runtime SPD is created according to peer local IP address. This command is to show these runtime SPD.
	switch	<on off>		As long as there exists one active IPSec rule, all packets will run into IPSec process to check SPD. This switch is to control if a packet should do this. If it is turned on, even there exists active IPSec rules, packets will not run IPSec process.
	timer	chk_my_ip	<1~3600>	- Adjust timer to check if WAN IP in menu is changed - Interval is in seconds - Default is 10 seconds - 0 is not a valid value
		chk_conn.	<0~255>	- Adjust auto-timer to check if any IPsec connection has no traffic for certain period. If yes, system will disconnect it. - Interval is in minutes - Default is 2 minutes - 0 means never timeout
		update_peer	<0~255>	- Adjust auto-timer to update IPSec rules which use domain name as the secure gateway IP. - Interval is in minutes - Default is 30 minutes - 0 means never update
	updatePeerIp			Remark: Command available since 3.50(WA.3) Force system to update IPSec rules which use domain name as the secure gateway IP right away.
	dial	<rule #>		Remark: Command available since 3.50(WA.3) Initiate IPSec rule <#> from ZyWALL box
	display	<rule #>		Remark: Command available since 3.50(WA.3) Display IPSec rule #
	remote	key	<string>	I add a secured remote access tunnel with pre-shared key. It is a dynamic rule with local: the route's WAN IP. The algorithms with it are fixed to phase1: DES+MD5, DH1 and SA lifetime 28800 seconds; phase2: DES+MD5, PFS off, no anti-replay and SA lifetime 28800 seconds. The length of pre-shared key is between 8 to 31 ASCII characters.
		switch	<on off>	Activate or de-activate the secured remote access tunnel.
	keep_alive	<rule #>	<on off>	Set ipsec keep_alive flag
	load	<rule #>		Load ipsec rule
	save			Save ipsec rules
	config	netbios	active <on off>	Set netbios active flag
			group <group index1, group index2...>	Set netbios group
		name	<string>	Set rule name
		name	<string>	Set rule name
		keyAlive	<Yes No>	Set keep alive or not
		lclDType	<0:IP 1:DNS 2:Email>	Set local ID type
		lclDContent	<string>	Set local ID content
		myIpAddr	<IP address>	Set my IP address
		peerIdType	<0:IP 1:DNS 2:Email>	Set peer ID type

	peerIdContent	<string>	Set peer ID content
	secureGwAddr	<IP address Domain name>	Set secure gateway address or domain name
	protocol	<1:ICMP 6:TCP 17:UDP>	Set protocol
	lcAddrType	<0:single 1:range 2:subnet>	Set local address type
	lcAddrStart	<IP>	Set local start address
	lcAddrEndMask	<IP>	Set local end address or mask
	lcPortStart	<port>	Set local start port
	lcPortEnd	<port>	Set local end port
	rmAddrType	<0:single 1:range 2:subnet>	Set remote address type
	rmAddrStart	<IP>	Set remote start address
	rmAddrEndMask	<IP>	Set remote end address or mask
	rmPortStart	<port>	Set remote start port
	rmPortEnd	<port>	Set remote end port
	antiReplay	<Yes No>	Set antireplay or not
	keyManage	<0:IKE 1:Manual>	Set key manage
	ike	negotiationMode <0:Main 1:Aggressive>	Set negotiation mode in phase 1 in IKE
		preShareKey <string>	Set pre shared key in phase 1 in IKE
		p1EncryAlgo <0:DES 1:3DES>	Set encryption algorithm in phase 1 in IKE
		p1AuthAlgo <0:MD5 1:SHA1>	Set authentication algorithm in phase 1 in IKE
		p1SaLifeTime <seconds>	Set sa life time in phase 1 in IKE
		p1KeyGroup <0:DH1 1:DH2>	Set key group in phase 1 in IKE
		activeProtocol <0:AH 1:ESP>	Set active protocol in phase 2 in IKE
		p2EncryAlgo <0:Null 1:DES 2:3DES>	Set encryption algorithm in phase 2 in IKE
		p2AuthAlgo <0:MD5 1:SHA1>	Set authentication algorithm in phase 2 in IKE
		p2SaLifeTime <seconds>	Set sa life time in phase 2 in IKE
		encap <0:Tunnel 1:Transport>	set encapsulation in phase 2 in IKE
		pfs <0:None 1:DH1 2:DH2>	set pfs in phase 2 in IKE
	manual	activeProtocol <0:AH 1:ESP>	Set active protocol in manual
	manual ah	encap <0:Tunnel 1:Transport>	Set encapsulation in ah in manual
		spi <decimal>	Set spi in ah in manual
		authAlgo <0:MD5 1:SHA1>	Set authentication algorithm in ah in manual
		authKey <string>	Set authentication key in ah in manual
	manual esp	encap <0:Tunnel 1:Transport>	Set encapsulation in esp in manual
		spi <decimal>	Set spi in esp in manual
		encryAlgo <0:Null 1:DES 2:3DES>	Set encryption algorithm in esp in manual
		encryKey <string>	Set encryption key in esp in manual
		authAlgo <0:MD5 1:SHA1>	Set authentication algorithm in esp in manual
		authKey <string>	Set authentication key in esp in manual

Firewall Related Command

[Home](#)

Command		Description
sys	Firewall	
	acl	
	disp	Display specific ACL set # rule #, or all ACLs.
	active	<yes no>
	clear	Active firewall or deactivate firewall
	clear	Clear firewall log
	cnt	
	disp	Display firewall log type and count.
	clear	Clear firewall log count.
	disp	Display firewall log

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	online		Set firewall log online.
	pktdump		Dump the 64 bytes of dropped packet by firewall
	update		Update firewall
	dynamicrule		
	tcrst		
		rst	Set TCP reset sending on/off.
		rst113	Set TCP reset sending for port 113 on/off.
		display	Display TCP reset sending setting.
	icmp		
	dos		
		smtp	Set SMTP DoS defender on/off
		display	Display SMTP DoS defender setting.
		ignore	Set if firewall ignore DoS in lan/wan/dmz/wlan
	ignore		
		dos	Set if firewall ignore DoS in lan/wan/dmz/wlan
		triangle	Set if firewall ignore triangle route in lan/wan/dmz/wlan