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# ZyXEL

Firmware Release Note

## Prestige 202H

### Standard version

Release 3.40(NV.4)C0

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# ZyXEL Prestige 202H Standard Version release 3.40(NV.4)C0 Release Note

**Date:** March 2, 2005

## **Supported Platforms:**

ZyXEL P202H

## **Versions:**

ZyNOS F/W Version : V3.40(NV.4) | 03/02/2005 11:41:21

BootBase : V2.09 | 9/6/2002 16:06:05

## **Notes:**

The P202H, is 3<sup>rd</sup> generation of ZyXEL ISDN product family. It is a ISDN router for small/medium office to have Internet access and LAN-to-LAN application through ISDN connection over the ISDN line.

## **Known Issues:**

1. Remote management feature can be configured via SMT only.
2. Firmware upgrade from eWC via WAN side does not work.
3. If using Linux to access device via telnet and staying in menu 24.1 for a few hours, P202H will reboot.
4. P202H can't accept calls from Allied Telesyn AR-410 if authentication type of AR-410 is set to PAP/CHAP.
5. AT also work when I delete the Full Feature Rule.
6. The SIP pass through can not work that it can't login to SIP server from the LAN to the WAN.
7. The Filter can not take effect on the IP Alias.

## **Features:**

### **Modifications in V 3.40(NV.4) C0 | 03/02/2005**

1. Change to FCS.

### **Modifications in V 3.40(NV.4) b2 | 1/29/2005**

1. [BUG FIXED] ZyXEL Prestige Router discloses portions of memory contents to remote users.  
Symptom: ZyXEL Prestige Router discloses portions of memory contents to remote users.

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- Condition: (1) Send ICMP packet with less data than normal so remote interface padding with data to complete the frame, such as: ping -s 0 router.(2) Here is the replies, you can see other portion of memory on replies by router
2. [BUG FIXED] Systems will exception when we try to login Web GUI using long user name/password.  
Symptom: Systems will exception when we try to login Web GUI using long user name/password  
Condition: (1) 1. Try to login Prestige by Web GUI. (2)Type in long user name and password. (3) The Prestige will be exception.
  3. [BUG FIXED] Systems will exception while start IP is greater than end IP.  
Symptom: Exception occurs while End IP smaller then Start IP in SMT Menu, saves it DUT will reboot.  
Condition: (1) In SMT Menu 15.1.1 or eWC, at NAT full feature use many to one or many to many set End IP smaller than start IP save it. Then DUT exception occurs. Ex: Start IP set to 192.168.1.33, End IP set to 192.168.1.5
  4. [BUG FIXED] Using DoS tool"Bonk.exe", do DoS attack from LAN to WAN, device get exception or hang.
  5. [BUG FIXED] P202H do not update automatically the system time.  
Symptom: System can't auto-update time.  
Condition: (1) In SMT Menu 24.10, synchronize system correctly. (2) The time will resume while the device reboot.

**Modifications in V 3.40(NV.4)b1 | 3/17/2004**

1. [BUG FIXED] Device reboot by PPTP session  
Symptom: Disconnect PPTP session cause device reboot.  
Condition: (1) Setup PPTP session through P202H, . (2) Do some ping.. (3) Disconnect PPTP session will cause device reboot.
2. [BUG FIXED] P202H can't use PPTP to login remote win2000 server.  
Symptom: The router tries to search a GRE entry, but sometimes it will find an ESP entry.  
Condition: 1. There is an ESP entry in NAT session table. 2. There is no other GRE entry in NAT session table. 3. There is an GRE packet from outside to WAN.

**Modifications in V 3.40(NV.3) | 12/05/2003**

1. Change to FCS version.

**Modifications in V 3.40(NV.3)b1 | 12/01/2003**

1. [BUG FIXED]  
Symptom: Exception occurs during ftp.  
Condition: Exception occurs during ftp.
2. [BUG FIXED]  
Symptom: P202H crashes when accepting calls from Allied Telesyn AR-410 if authentication type of AR-410 is set to "No Authenticaion".  
Condition: P202H crashes when accepting calls from Allied Telesyn AR-410 if authentication type of AR-410 is set to "No Authenticaion".

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**Modifications in V 3.40(NV.2) | 10/09/2003**

2. Change to FCS version.

**Modifications in V 3.40(NV.2)b1 | 10/07/2003**

1. [BUG FIXED]  
Symptom: Device makes unwanted calls due to DNS query mechanism in VPN feature.  
Condition: Device makes unwanted calls due to DNS query mechanism in VPN feature when users set security gateway by domain name type.
2. [FEATURE ENHANCED]  
Make protection for users not to configure idle timeout larger than the VPN update peer IP time.
3. [FEATURE ENHANCED]  
Support “sys romreset” CI command to replace “sys spt default” CI command.
4. [FEATURE ENHANCED]  
Support “ATLD” command.
5. [BUG FIXED]  
Symptom: Configure two connections with SUA to the menu 11 and second remote node doesn't work.  
Condition: Configure two connections with SUA to the menu 11 and second remote node doesn't work. The connection is up correctly, but there is no traffic.
6. [BUG FIXED]  
Symptom: Showing “POTS log” in smt 24.3.2, which is not illegal.  
Condition: Showing “POTS log” in smt 24.3.2, which is not illegal.
7. [FEATURE ENHANCED]  
Add Netbios filters setting in menu 3.1 and 11.5 by default.

**Modifications in V 3.40(NV.1) | 08/20/2003**

3. Change to FCS version.

**Modifications in V 3.40(NV.1)b2 | 08/08/2003**

1. [FEATURE ENHANCED]  
Support DDNS feature.
2. [FEATURE ENHANCED]  
Support time server feature.

**Modifications in V 3.40(NV.1)b1 | 07/04/2003**

1. [FEATURE ENHANCED]  
Integrate web help pages.
2. [FEATURE ENHANCED]  
Merge remote management feature.

**Modifications in V 3.40(NV.0) | 06/17/2003**

4. Change to FCS version.

**Modifications in V 3.40(NV.0)b2 | 05/27/2003**

1. [FEATURE ENHANCED]  
Integrate Web GUI.
2. [FEATURE ENHANCED]  
Merge Phase III VPN feature.

**Modifications in V 3.40(NV.0)b1 | 04/18/2003**

1. [FEATURE CHANGED]  
Porting P202H for OBM from P202H for DT (with source code 3.40(IJ.0)b5)

**Annex A CI Command List**

Command Class List Table		
<a href="#">System Related Command</a>	<a href="#">Exit Command</a>	<a href="#">Ethernet Related Command</a>
<a href="#">IP Related Command</a>	<a href="#">IPSec Related Command</a>	

System Related Command

[Home](#)

Command			Description
sys			
	callhist		
	display		display call history
	remove	<index>	remove entry from call history
	countrycode	[countrycode]	set country code
	domainname		display domain name
	edit	<filename>	edit a text file
	extraphnum		maintain extra phone numbers for outcalls
	add	<set 1-3> <1st phone num> [2nd 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
	firewall		
	acl		
		disp	display specific ACL set # rule #, or all ACLs.
	active	<yes no>	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
	online		set firewall log online.
	pktdump		dump the 64 bytes of dropped packet by firewall
	update		update firewall
	tcprst		

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			rst	set TCP reset sending on/off.
			rst113	set TCP reset sending for port 113 on/off.
			display	display TCP reset sending setting.
	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			
			triangle	set if firewall ignore triangle route in lan/wan/dmz/wlan
hostname			[hostname]	display system hostname
log				
	clear			clear log error
	disp			display log error
	online		[on off]	turn on/off error log online display
stdio			[second]	change terminal timeout value
trcdisp				monitor packets
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
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
atsh				display MRD field
socket				display system socket information
filter				
	netbios			
			disp	display netbios filter status
			config <0:LAN to WAN, 1:WAN to LAN, 2:LAN to DMZ, 3:IPSec passthrough, 4:Trigger Dial> <on off>	config netbios filter
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

Exit Command

[Home](#)

Command		Description
exit		exit smt menu

Ethernet Related Command

[Home](#)

Command		Description
ether		
config		display LAN configuration information
driver		
	cnt	
	disp <name>	display ether driver counters

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	status	<ch_name>	see LAN status
version			see ethernet device type

IP Related Command

[Home](#)

Command			Description
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
	mode	<server relay none client>	set dhcp mode
	relay	server <serverIP>	set dhcp relay server ip-addr
	reset		reset dhcp table
	server		
		probecount <num>	set dhcp probe count
		dnsserver <IP1> [IP2] [IP3]	set dns server ip-addr
		winsserver <winsIP1> [<winsIP2>]	set wins server ip-addr
		gateway <gatewayIP>	set gateway
		hostname <hostname>	set hostname
		initialize	fills in DHCP parameters and initializes (for PWC purposes)
		leasetime <period>	set dhcp leasetime
		netmask <netmask>	set dhcp netmask
		pool <startIP> <numIP>	set dhcp ip pool
		renewaltime <period>	set dhcp renew time
		rebindtime <period>	set dhcp rebind time
		reset	reset dhcp table
		server <serverIP>	set dhcp server ip for relay
		dnsorder [router isp]	set dhcp dns order
	status	[option]	show dhcp status
	static		
		delete <num> all	delete static dhcp mac table
		display	display static dhcp mac table
		update <num> <mac> <ip>	update static dhcp mac table
	dns		
	stats		
		clear	clear dns statistics
		disp	display dns statistics
	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>]	add an entry to the routing table to iface

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		<gateway> [<metric>]	
	addprivate	<dest_addr default>[/<bits>] <gateway> [<metric>]	add private route
status			display ip statistic counters
udp			
	status		display udp status
tcp			
	status	[tcb] [<interval>]	display TCP statistic counters
xparent			
	join	<iface1> [<iface2>]	join iface2 to iface1 group
	break	<iface>	break iface to leave ipxparent group

IPSecRelated 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 minuets
			- 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
			Remark: Command available since 3.50(WA.3)

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	updatePeerIp			Force system to update IPSec rules which use domain name as the secure gateway IP right away.
				Remark: Command available since 3.50(WA.3)
	dial	<rule #>		Initiate IPSec rule <#> from ZyWALL box
				Remark: Command available since 3.50(WA.3)
	display	<rule #>		Display IPSec rule #