



Firmware Release Note

P202H Plus

Standard version

Release 3.40(Q1.1)C1

Date:	March 2, 2005
Author:	George Li

ZyXEL P202H Plus Standard Version release 3.40(QI.1)C1 Release Note

Date: March 2, 2005

Supported Platforms:

ZyXEL P202H Plus

Versions:

ZyNOS F/W Version : V3.40(QI.1) | 12/21/2004 16:47:32
BootBase : V2.09t | 1/18/2005 15:05:40

Notes:

The P202H Plus, is 3rd 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. If using Linux to access device via telnet and staying in menu 24.1 for a few hours, P202H will reboot.
3. P202H can't accept calls from Allied Telesyn AR-410 if authentication type of AR-410 is set to PAP/CHAP.
4. MSN audio function can't passthrough if the firewall enable.
5. The Filter can not take effect on the IP Alias.

Features:

Modifications in V 3.40(QI.1)C1 | 12/21/2004

1. update bootbase to V2.09t to change MAC OUI from 00A0C5 to 001349

Modifications in V3.40(QI.1)C0 | 12/21/2004

1. Change to FCS

Modifications in V3.40(QI.1)b2 | 12/21/2004

1. Update HTP: In B/I test, HTP function will repeat run always..

ZyXEL Confidential

Modifications in V3.40(QI.1)b1 | 12/16/2004

1. Change HTP: Remove external loopback ISDN link and phone test.

Modifications in V3.40(QI.0) | 11/22/2004

1. Change to FCS

Modifications in V3.40(QI.0)b7 | 11/12/2004

1. [BUG FIXED] Device will hang up while we use DoS tool "Bonk.exe".
Symptom: Using DoS tool "Bonk.exe", do DoS attack from LAN to WAN, device get exception or hang.
Condition: (1) PC ---- Device ---- Internet ---- ZyWALL 70; (2) Ran a port scan AP (Bonk) on PC to attack ZyWALL 70. (Bonk parameter -p 7 -d 10); (3) Device will crashed with exception log after few minutes (4000+ counts of port scan)
2. [BUG FIXED] The call waiting function can't work in phone 1.
Symptom: The call waiting function can't work in phone 1.
Condition: (1) Enable phone 1 call waiting function. (2) The phone 1 can't place a call on hold while you answer another incoming call on the same telephone number.
3. [BUG FIXED] The VPN make the transport mode as tunnel mode.
Symptom: In VPN, the transport mode can ping to each other.
Condition: (1) VPN setting: IKE/Aggressive/ ESP + Transport mode. (2) Establish VPN, it can't ping LAN to LAN.
4. [BUG FIXED] In eWC/WAN, the Transfer Type setting can't change.
Symptom: We can't change Transfer Type setting from 64K to Leased mode. It will back to 64K mode while we apply from eWC/WAN.
Condition: (1) In eWC/WAN, we change Transfer Type setting. (2) While we press "Apply", it still do not change.

Modifications in V 3.40(QI.0)b6 | 9/14/2004

1. [BUG FIXED] Index of menu1 Domain Name display error.
Symptom: Index of menu1 Domain Name display error.
Condition: (1) Enter Menu1, index of Domain Name. It should be "A-Z" instead of "A-z". (2) The symbol of "," can't work
2. [BUG FIXED] The system exception occurs while we do file transfer.
Symptom: The system exception occurs while we do file transfer.
Condition: (1) Do file transfer, such as FTP. (2) System will be exception after a while.
3. [BUG FIXED] PPTP pass though can't work.
Symptom: The system will be exception while we do PPTP pass though function.
Condition: (1) Using Dial-in mode connect device. (2) When we do PPTP pass though function, the system will crash.

Modifications in V 3.40(QI.0)b5 | 9/8/2004

ZyXEL Confidential

1. [BUG FIXED] System will be exceptions while we set Start IP larger than End IP.
Symptom: Exception occur while End IP smaller than Start IP in SMT menu, save it DUT will reboot
Condition: (1) Enter Menu15.1.1.1 and set End IP smaller than Start IP. (2) Press “Enter”, then system will be exception.
2. [BUG FIXED] Firmware can upgrade from eWC via WAN side.
Symptom: It can’t upgrade firmware from eWC via WAN side.
Condition: (1) Login in eWC/firmware; (2) Upload firmware.

Modifications in V 3.40(QI.0)b4 | 8/30/2004

1. [BUG FIXED] System will exception when we try to login Web GUI using long user name/password
Symptom: System will except when we try to login Web GUI using long user name/password
Condition: (1) Try to login Prestige by Web GUI. (2).Type in long user name and password. (3). The Prestige will be exception.
2. [FEATURE ENHANCED] Add SIP pass through.
3. [FEATURE ENHANCED]HTP program support Phone test program.
4. [FEATURE ENHANCED] The phone function can be set by eWC.
5. [BUG FIXED] The system status contents have error information.
Symptom: The system status contents error in eWC/Help.
Condition: (1) The system status contents show system statistics. (2) The system up time shows ZyWall information.
6. [BUG FIXED] The phone will still ring when we hook off other phone (those two phone have the same phone number).
Symptom: The phone 2 is still ringing while we pick up the phone 1(pick up the phone before the phone doesn’t ring) if we set the phone 1 and phone 2 the same phone number.
Condition: (1) Setting two phones have the same phone number. (2) Call this phone number. (3) Pick up the phone before it rings.
7. [BUG FIXED] System will except while we change date or time in CI Command.
Symptom: System do exception while we go to menu 24.8 change date or time then return menu 24.1.
Condition: (1) Change date or time in menu 24.8. (2) Return menu 24.1
8. [BUG FIXED] The help document contents error information in eWC/WAN help.
Symptom: There are no Network Address Translation Setting but the help documents have.
Condition: (1) Login in eWC. (2) In eWC/WAN help.

ZyXEL Confidential

9. [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.
Condition: (1) Send ICMP packet with less data than normal such as ping -l 0 *.*.*.*.
(2) You can see other portion of memory on replies by router when we use capture packet tools, such as ethereal.

Modifications in V 3.40(QI.0)b3 | 7/12/2004

1. [BUG FIXED] After Data call connect to remote side, Phone call still can't process voice data.
Symptom: Data channel and voice channel can't process in same time.
Condition: (1) Dial out by 2 B channel data call, (2) use Phone call to dial out, (3) Voice can't transmit by B channel.
2. [FEATURE ENHANCED]
Support DTMF and FSK Caller ID by country.
3. [BUG FIXED] Phone feature will not work fine in high temperature environment.
Symptom: in High temperature environment, P202H Plus will can't process phone feature.
Condition: (1) Put P202H Plus in 50 ° C environment, (2) Phone call will can't dial out.
4. [BUG FIXED] B Channel mega bundle can't work
Symptom: B Channel dial out by 2 B channel can't work.
Condition: (1) Reboot system, (2) use 2B channel to dial out for Data transmit

Modifications in V 3.40(QI.0)b2 | 6/23/2004

1. [FEATURE ENHANCED]
Support Phone Feature DTMF Caller ID.

Modifications in V 3.40(QI.0)b1 | 6/3/2004

1. [FEATURE ENHANCED]
Support Phone Feature based on ISDN Line.

Annex A CI Command List

Command Class List Table		
System Related Command	Exit Command	Ethernet Related Command
IP Related Command	IPSec Related Command	

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		
			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

ZyXEL Confidential

		disp		display log error
		online	[on off]	turn on/off error log online display
	stdio		[second]	change terminal timeout value
	treddisp			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
		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		

ZyXEL Confidential

			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>] <gateway> [<metric>]	add an entry to the routing table to iface
		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

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 Remark: Command available since 3.50(WA.3)
	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 #