



Firmware Release Note

P792H

Standard version

Release 3.40(BZ.3)C0

Date:

Nov 03, 2006

Author:

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ZyXEL P792H Standard Version release 3.40(BZ.3)C0 Release Note

Date: Nov 03, 2006

Supported Platforms:

ZyXEL P792H

Versions:

ZyNOS Version: V3.40(BZ.3) | 11/03/2006 16:00:00

Bootbase Version: V1.14 | 11/10/2003 20:56:40

Notes:

Support Globespan modem code A.423.

Features:

Modifications in V3.40(BZ.3)C0 | 11/03/2006 16:00:00

1. Change to FCS.

Modifications in V3.40(BZ.3)b2 | 10/25/2006 10:00:00

1. [FEATURE ENHANCE] Add MTU
2. [FEATURE ENHANCE] Multi Routing Mode dynamic PVC support
3. [FEATURE ENHANCE] IPPR V2 support to forward the traffic by remote node(PVC)instead of gateway IP Address
4. [BUG FIX]

SPRID:060727813

Symptom: Content filter schedule can't be canceled

Condition: Step 1.Enable keyword blocking and edit key words. Step2. Enter Schedule page and unselect all check boxes. Step3. The web site in the key words list also can be blocked.

5. [BUG FIX]

SPRID: 060727816

Symptom/Condition: Throughput in route mode downstream can't pass PQA criteria with IES5000 DSLAM. (Throughput with IES5000 SHDSL DSLAM is much worse than it with IES1000 SHDSL DSLAM).

6. [BUG FIX]

SPRID:060727807

Symptom: Release note is not correct

Condition: FW version in Menu 24.2.1 shows V3.40(BZ.2)|10/11/2005

Modifications in V3.40(BZ.3)b1 | 02/28/2006 09:32:11

1. [FEATURE ENHANCE] Add Cone NAT .
2. [FEATURE ENHANCE] Add VPN NAT TRAVERSAL.
3. [BUG FIX]
SPRID: 060301057
Symptom: In GUI/smt, when choosing WAN backup mechanism as DSL Line, you have to key in one check WANIP which is not reasonable.
Condition:N/A
4. [BUG FIX]
SPRID: 060301060
Symptom: If you enter one check WANIP, even the backup mechanism is “DSL Link”, P792H will also ping that IP address periodically.
Condition: N/A
5. [BUG FIX]
SPRID: 060301061
Symptom: Open its WEB GUI with 192.168.1.1,in “advanced setup” list, there is a option “logs”. When we click it, we can only get a wrong page of “the page cannot be found” each time.
Condition: N/A

Modifications in V3.40(BZ.2) | 10/11/2005 10:32:11

1. Change to FCS

Modifications in V3.40(BZ.2)b2 | 09/23/2005 15:32:11

1. [BUG FIXED] 050914568
Symptom: The IP routing Policy don’ t work properly
Condition: step1 Setup one IP routing Policy rule (in SMT 25),If traffic matches ippr rule, traffic will go out through appointed gateway, but failed

Modifications in V3.40(BZ.2)b1 | 09/07/2005 15:32:11

1. [FEATURE CHANGED] Add feature MBM.
2. [FEATURE CHANGED] Add port based VLAN.
3. [BUG FIXED] 050909370
Symptom& Condition: Key in”http://192.168.1.1/rpFWUpload.html”in IE, can login in Firmware page without user name and password, then user can do romreset and upload new firmware.
4. [BUG FIXED] 050909373
Symptom: Traffic redirect function cannot work properly at ENET-ENCAP with static setting.
Condition: In menu 4 when using ENET ENCAP encapsulation and set static address. In menu 2, we set a traffic redirect function, it could not work properly.
5. [BUG FIXED] 050909374
Symptom: The GUI\Wizard Setup can save the no match IP.
Condition: While set the DUT LAN “Client IP Pool Starting Address” and “Size of Client IP Pool” which are not match the “IP Subnet Mask”, but this can be saved in GUI\Wizard Setup and rom-t. In SMT and GUI\Advanced Setup have no this issue.
6. [BUG FIXED] 050909375
Symptom: if we change remode IP address or gateway in menu 4 or menu11, the

previous routing entry still keep. it can see in CI command:ip route status.

Condition: In menu4 or menu11,Configure Enet Encap=static IP, then change to PPPoE dynamic, in menu24.8, check the route table, the Enet Encap entry still existed.unless you restart the DUT.

7. [BUG FIXED] 050909376

Symptom: After save DNS server, In CI command: ip ping www.hinet.net, it can not be work and it must reboot.

Condition: We save DNS server in menu 3.2 after reset default rom file and if we don't reset system and issue "ip ping www.hinet.net" that it can not be work and it must reboot.

8. [BUG FIXED] 050909377

Symptom: When DUT use static IP and set DNS server address in GUI->wizard, DUT won't resolve domain name successfully until reboot

Condition: Step1 Go to GUI, configure DUT use static IP and set DNS server, then go to Maintenance->Diagnostic, try to resolve domain name, but failed; Step2 Reboot DUT, it works fine; Step3 This many cause TMSS/AV/CAC/DDNS functions doesn't work for these functions need DUT resolve domain name.

9. [BUG FIXED] 050909378

Symptom& Condition: enter eWC NAT, click the edit detail of full feature will apply full feature.

10. [BUG FIXED] 050909379

Symptom& Condition: While delete menu4, then go to GUI to change NAT mode and then apply in GUI, then go to SMT menu 24.1 will cause crash.

11. [BUG FIXED] 050909380

Symptom: PPPOE nailed-up work have problem

Condition: Step1 use PPPOE and nailed-it up; Step2 in SMT menu 26.1 set a schedule start time 00:03 and duration time is 00:02 and force down; Step3 in menu11.1 schedule set =1, now time is 00:02 when time is 00:03 then PPPOE turn down, but time is 00:05 the PPPOE can not turn up, then in menu 24.8 command "d d 1" still can not turn up.

Modifications in V3.40(BZ.1)C0 | 6/28/2005 13:32:11

1. [FEATURE CHANGED] Change to FCS.

Modifications in V3.40(BZ.1)b3 | 6/22/2005 9:53:09

1. [FEATURE CHANGED] Support new modem code A.423.

Modifications in V3.40(BZ.1)b2 | 3/28/2005 9:09:08

1. [FEATURE CHANGED] Support new modem code R3.0.1
2. [FEATURE CHANGED] Support new MAC, atwz , sys atwz command
3. [FEATURE CHANGED] Change hw version to 1 in bootbase , and after we change AFE , this f/w can support new hardware and old hardware.

Modifications in V 3.40(BZ.1)b1 | 04/07/2004

1. [BUG FIXED]

Symptom: User name/Password have one space at eWC.

Condition: Restore to default ROM file and change to PPPoA/PPPoE mode, there is one space at User name/Password field at eWC.

Modifications in V 3.40(BZ.0)C0 | 03/12/2004

1. Change to FCS version

Modifications in V 3.40(BZ.0)b2 | 03/05/2004

1. [FEATURE ENHANCED]

Support SIP pass-through.

Modifications in V 3.40(BZ.0)b1 | 01/07/2004

1. Create Project.

2. [FEATURE ENHANCED]

Support Wan Backup.

3. [FEATURE ENHANCED]

Support Firewall and Content Filter.

4. [FEATURE ENHANCED]

Support VPN

5. [FEATURE ENHANCED]

Support H.323v2 for NAT.ALG

Annex A CI Command List

Command Class List Table		
System Related Command	Exit Command	Ethernet Related Command
WAN Related Command	IP Related Command	Bridge Related Command
XDSL Related Command		

System Related Command

[Home](#)

Command				Description
sys				
	adjtime			retrive date and time from Internet
	atsh			display MRD field
	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> <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
	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
	time		[hour [min [sec]]]	display/set system time
	trcdisp	parse, brief, disp		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
	romreset			restore default romfile
	socket			display system socket information
	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
	xmodemmode	[crc checksum]		select xmodem mode

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
		config	[0 1=auto normal] [0 1=10 100] [0 1=HD FD] <ch-name>	Configure LAN Settings Auto/Normal, 100/10 Mbps, Half/Full Duplex
	version			see ethernet device type

WAN Related Command

[Home](#)

Command				Description
Wan	atm	test	[fix rand period oam loopback]	Generate ATM traffic
	hwsar	Disp		Display hwsar packets incoming/outgoing information
		Clear		Clear hwsar packets information
		Sendoam		Send OAM packets: <vpi> <vci> <f5> <end-to-end> <type:0(AIS) 1(RDI) 2(LoopBack)>

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
		status	[option]	show dhcp status
	dns			
		query		
		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
		drop	<host addr> [/<bits>]	drop a 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
	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

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

XDSL Related Command[Home](#)

Command				Description
xdsl				
	state			display XDSL status about physical layer
	restart			restart XDSL driver
	cnt	disp		display xsdl error counter
		clear		clear xsdl error counter

Internal Information:

1. Modification.

Modifications in V 3.40(BZ.1)b1 | 04/07/2004

1. [FEATURE CHANGED]
Modify the way of LED display for HTP test and always not to display UART External Loopback test item.
(1) normal case: SYS LED blinking per 1 second.
(2) SYS LED always on.

Modifications in V 3.40(BZ.0)b2 | 03/05/2004

1. [BUG FIXED]
Symptom: In VPN-Summary, the content of rules number greater than 5 are not updated.
Condition: 1. Configure VPN rule 6 & save
2. Delete VPN rule 6
3. In VPN-Summary page, rule 6 still exist.
2. [BUG FIXED]
Symptom: CI-command "ip smtp sendmail" cause device reboot.
Condition: Type CI-command "ip smtp sendmail" will cause device reboot.
3. [BUG FIXED]
Symptom: Not update DNS information.
Condition: If ISP assigns different DNS after PPP connection, the device will not update the DNS information.
4. [BUG FIXED]
Symptom: qlm error or traffic is blocked
Condition: qlm error bug:
 - 1). Setup 2 remote node, node 1 is RFC-1483 bridge mode. node 2 is routing mode with PPPoE nailed-up.
 - 2). Actuality, node 2 just there and do nothing.
 - 3). Heavy traffic through our device will cause qlm error.

Modifications in V 3.40(BZ.0)b1 | 01/07/2004

1. [FEATURE CHANGED]
Enlarge Rom File to 48K byte.

Known Issues:

1. AX/4000 will occur PRBS Bit Error Count.

2. Manufactory Data in Bootbase

ZyNOS Version	: V3.40(BZ.3) 11/03/2006 16:00:00
Bootbase Version	: V1.14 11/10/2003 20:56:40
Vendor Name	: ZyXEL Communications Corp.
Product Model	: Prestige 792H
ZyNOS Code Model	: P792H STU-R
HTP Code Model	: HTP_P792H V 0.2
ZyNOS ROM address	: bfc10000
System Type	: 7
MAC Address	: 001349000001
Default Country Code	: FF
Boot Module Debug Flag	: 01
RomFile Version	: 3A
RomFile Checksum	: 6f66
ZyNOS Checksum	: 4fae
Core Checksum	: 73f7
SNMP MIB level & OID	: 060102030405060708091011121314151617181920
Main Feature Bits	: 86
Other Feature Bits	:
	92 3B 00 00 01 00 00 00-00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00-02 00 13 00 00 00
Notes:	
	<ul style="list-style-type: none">• Debug Flag should be 0 after production. In our default release will be 1. Because in the manufacture process will need it to set the MAC address.• MAC address will be changed by production process. Only the first 3 octets will be correct. The last 3 octets will depend on the production process.

3. Default ROM File Value Setting

· Menu 1: General Setup

Menu 1 - General Setup
System Name= ?
Location=
Contact Person's Name=
Domain Name=
Edit Dynamic DNS= No
Route IP= Yes
Bridge= No
Press ENTER to Confirm or ESC to Cancel:

· Menu 1.1: Configure Dynamic DNS

Menu 1.1 - Configure Dynamic DNS
Service Provider= WWW.DynDNS.ORG
Active= No
Host=

```
EMAIL=
USER=
Password= *****
Enable Wildcard= No
```

Press ENTER to Confirm or ESC to Cancel:

- **Menu 2: WAN Setup**

Menu 2 - WAN Setup

```
Service Type= Client
Rate Adaption= Enable
Transfer Max Rate(Kbps)= 2312
Transfer Min Rate(Kbps)= 136
Standard Mode= ETSI(ANNEX_B)
```

Wan Backup Setup:

```
Check Mechanism = DSL Link
Check WAN IP Address1 = 0.0.0.0
Check WAN IP Address2 = 0.0.0.0
Check WAN IP Address3 = 0.0.0.0
KeepAlive Fail Tolerance = 0
Recovery Interval(sec) = 0
ICMP Timeout(sec) = 0
Traffic Redirect = No
Dial Backup = No
```

Press ENTER to Confirm or ESC to Cancel:

- **Menu 2.1 : Traffic Redirect Setup**

Menu 2.1 - Traffic Redirect Setup

```
Active= No
Configuration:
Backup Gateway IP Address= 0.0.0.0
Metric= 15
```

Press ENTER to Confirm or ESC to Cancel:

- **Menu 2.2 : Dial Backup Setup**

Menu 2.2 - Dial Backup Setup

```
Dial-Backup:
Active= No
Port Speed= 115200

AT Command String:
Init= at&fs0=0

Edit Advanced Setup= No
```

Press ENTER to Confirm or ESC to Cancel:

- **Menu 2.2.1: Advanced Dial Backup Setup**

```
Menu 2.2.1 - Advanced Dial Backup Setup

AT Command Strings:
Dial= atd
Drop= ~+~+~+~+ath
Answer= ata

Drop DTR When Hang Up= No

AT Response Strings:
CLID= NMBR =
Called Id=
Speed= CONNECT

Call Control:
Dial Timeout(sec)= 60
Retry Count= 0
Retry Interval(sec)= N/A
Drop Timeout(sec)= 20
Call Back Delay(sec)= 15

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 3.1: LAN Port Filter Setup**

```
Menu 3.1 - LAN Port Filter Setup

Input Filter Sets:
  protocol filters=
  device filters=
Output Filter Sets:
  protocol filters=
  device filters=

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 3.2 TCP/IP and DHCP Setup**

```
Menu 3.2 - TCP/IP and DHCP Setup

DHCP Setup
DHCP= Server
Client IP Pool Starting Address= 192.168.1.33
Size of Client IP Pool= 32
Primary DNS Server= 0.0.0.0
Secondary DNS Server= 0.0.0.0
Remote DHCP Server= N/A
TCP/IP Setup:
IP Address= 192.168.1.1
IP Subnet Mask= 255.255.255.0
RIP Direction= Both
  Version= RIP-2B
Multicast= None
IP Policies=
Edit IP Alias= No

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 4 Internet Access Setup**

```
Menu 4 - Internet Access Setup

ISP's Name= MyISP
Encapsulation= RFC 1483
Multiplexing= LLC-based
VPI #- 8
VCI #- 35
ATM QoS Type= UBR
Peak Cell Rate (PCR)= 0
```

```
Sustain Cell Rate (SCR)= 0
Maximum Burst Size (MBS)= 0
My Login= N/A
My Password= N/A
ENET ENCAP Gateway= N/A
IP Address Assignment= N/A
  IP Address= N/A
Network Address Translation= None
  Address Mapping Set= N/A

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 11 Remote Node Setup**

```
Menu 11 - Remote Node Setup

1. MyISP (ISP)
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Enter Node # to Edit:
```

- **Menu 11.1 Remote Node Profile**

```
Menu 11.1 - Remote Node Profile

Rem Node Name= MyISP          Route= IP
Active= Yes                  Bridge= No

Encapsulation= RFC 1483      Edit IP/Bridge= No
Multiplexing= LLC-based      Edit ATM Options= No
Service Name= N/A
Incoming:                    Telco Option:
  Rem Login= N/A              Allocated Budget(min)= N/A
  Rem Password= N/A           Period(hr)= N/A
Outgoing:                    Schedule Sets= N/A
  My Login= N/A               Nailed-Up Connection= N/A
  My Password= N/A            Session Options:
  Authen= N/A                 Edit Filter Sets= No
                               Idle Timeout(sec)= N/A

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 11.3 Remote Node Network Layer Options**

```
Menu 11.3 - Remote Node Network Layer Options

IP Options:                  Bridge Options:
  IP Address Assignment= Static  Ethernet Addr Timeout(min)= N/A
  Rem IP Addr= 0.0.0.0
  Rem Subnet Mask= 0.0.0.0
  My WAN Addr= 0.0.0.0
  NAT= None
  Address Mapping Set= N/A
```

```
Metric= 2
Private= No
RIP Direction= None
Version= RIP-1
Multicast= None
IP Policies=
```

Enter here to CONFIRM or ESC to CANCEL:

- **Menu 11.6 Remote Node ATM Layer Options**

```
Menu 11.6 - Remote Node ATM Layer Options
VPI/VCI (LLC-Multiplexing or PPP-Encapsulation)
```

```
VPI #= 8
VCI #= 35
ATM QoS Type= UBR
Peak Cell Rate (PCR)= 0
Sustain Cell Rate (SCR)= 0
Maximum Burst Size (MBS)= 0
```

Enter here to CONFIRM or ESC to CANCEL:

- **Menu 11.5 Remote Node Filter**

```
Menu 11.5 - Remote Node Filter
```

```
Input Filter Sets:
  protocol filters=
  device filters=
Output Filter Sets:
  protocol filters=
  device filters=
```

Enter here to CONFIRM or ESC to CANCEL:

- **Menu 11.1 Remote Node Profile (Backup ISP)**

```
Menu 11.1 - Remote Node Profile (Backup ISP)
```

```
Rem Node Name= ?
Active= Yes

Outgoing:
  My Login=
  My Password= *****
  Authen= CHAP/PAP
  Pri Phone #= ?
  Sec Phone #=

Edit PPP Options= No
Rem IP Addr= ?
Edit IP= No
Edit Script Options= No

Telco Option:
  Allocated Budget(min)= 0
  Period(hr)= 0
  Nailed-Up Connection= No

Session Options:
  Edit Filter Sets= No
  Idle Timeout(sec)= 100
```

Press ENTER to Confirm or ESC to Cancel:

- **Menu 12.1 IP Static Route Setup**

```
Menu 12.1 - IP Static Route Setup
```

```
1. _____
2. _____
3. _____
```

4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
Enter selection number:

• **Menu 12.1.1 Edit IP Static Route**

Menu 12.1.1 - Edit IP Static Route
Route #: 1
Route Name= ?
Active= No
Destination IP Address= ?
IP Subnet Mask= ?
Gateway IP Address= ?
Metric= 2
Private= No
Press ENTER to Confirm or ESC to Cancel:

• **Menu 12.3 Bridge Static Route Setup**

Menu 12.3 - Bridge Static Route Setup
1. _____
2. _____
3. _____
4. _____
Enter selection number:

• **Menu 12.3.1 - Edit Bridge Static Route**

Menu 12.3.1 - Edit Bridge Static Route
Route #: 1
Route Name= ?
Active= No
Ether Address= ?
IP Address=
Gateway Node= 1
Press ENTER to Confirm or ESC to Cancel:

• **Menu 15 - NAT Setup**

Menu 15 - NAT Setup
1. Address Mapping Sets
2. NAT Server Sets
Enter Menu Selection Number:

• **Menu 15.1 - Address Mapping Sets**

```
Menu 15.1 - Address Mapping Sets

1.
2.
3.
4.
5.
6.
7.
8.
255. SUA (read only)

Enter Menu Selection Number:
```

• **Menu 15.1.1 – Address Mapping Rules**

```
Menu 15.1.1 - Address Mapping Rules

Set Name= ?

Idx  Local Start IP  Local End IP  Global Start IP  Global End IP  Type
-----
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Action= None          Select Rule= N/A

Press ENTER to Confirm or ESC to Cancel:
```

• **Menu 15.2 – NAT Server Sets**

```
Menu 15.2 - NAT Server Sets

1. Server Set 1 (Used for SUA Only)
2. Server Set 2
3. Server Set 3
4. Server Set 4
5. Server Set 5
6. Server Set 6
7. Server Set 7
8. Server Set 8
9. Server Set 9
10. Server Set 10

Enter Set Number to Edit:
```

• **Menu 15.2.1 –NAT Server Setup (Used for SUA Only)**

```
Menu 15.2 - NAT Server Setup

Rule  Start Port No.  End Port No.  IP Address
-----
1.    Default        Default       0.0.0.0
```


2.	0	0	0.0.0.0
3.	0	0	0.0.0.0
4.	0	0	0.0.0.0
5.	0	0	0.0.0.0
6.	0	0	0.0.0.0
7.	0	0	0.0.0.0
8.	0	0	0.0.0.0
9.	0	0	0.0.0.0
10.	0	0	0.0.0.0
11.	0	0	0.0.0.0
12.	0	0	0.0.0.0

Press ENTER to Confirm or ESC to Cancel:

• Menu 21 Filter and Firewall Setup

Menu 21 - Filter and Firewall Setup

1. Filter Setup
2. Firewall Setup
3. View Firewall Log

Enter Menu Selection Number:

• Menu 21.1 Filter Set Configuration

Menu 21.1 - Filter Set Configuration

Filter Set #	Comments	Filter Set #	Comments
1	NetBIOS_WAN	7	
2	NetBIOS_LAN	8	
3	TELNET_WAN	9	
4	PPPoE	10	
5	FTP_WAN	11	
6		12	

Enter Filter Set Number to Configure= 0

Edit Comments= N/A

Press ENTER to Confirm or ESC to Cancel:

• Menu 21.1.1 Filter Rules Summary (for NetBIOS_WAN)

Menu 21.1.1 - Filter Rules Summary

#	A	Type	Filter Rules	M	m	n
1	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=137	N	D	N
2	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=138	N	D	N
3	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=139	N	D	N
4	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=137	N	D	N
5	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=138	N	D	N
6	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=139	N	D	F

Enter Filter Rule Number (1-6) to Configure:

- Menu 21.1.1.1 TCP/IP Filter Rule (for NetBIOS_WAN)

```
Menu 21.1.1.1 - TCP/IP Filter Rule

Filter #: 1,1
Filter Type= TCP/IP Filter Rule
Active= Yes
IP Protocol= 6      IP Source Route= No
Destination: IP Addr= 0.0.0.0
              IP Mask= 0.0.0.0
              Port #= 137
              Port # Comp= Equal
Source: IP Addr= 0.0.0.0
        IP Mask= 0.0.0.0
        Port #=
        Port # Comp= None
TCP Estab= No
More= No      Log= None
Action Matched= Drop
Action Not Matched= Check Next Rule

Press ENTER to Confirm or ESC to Cancel:
```

- Menu 21.1.1.2 TCP/IP Filter Rule (for NetBIOS_WAN)

```
Menu 21.1.1.2 - TCP/IP Filter Rule

Filter #: 1,2
Filter Type= TCP/IP Filter Rule
Active= Yes
IP Protocol= 6      IP Source Route= No
Destination: IP Addr= 0.0.0.0
              IP Mask= 0.0.0.0
              Port #= 138
              Port # Comp= Equal
Source: IP Addr= 0.0.0.0
        IP Mask= 0.0.0.0
        Port #=
        Port # Comp= None
TCP Estab= No
More= No      Log= None
Action Matched= Drop
Action Not Matched= Check Next Rule

Press ENTER to Confirm or ESC to Cancel:
```

- Menu 21.1.1.3 TCP/IP Filter Rule (for NetBIOS_WAN)

```
Menu 21.1.1.3 - TCP/IP Filter Rule

Filter #: 1,3
Filter Type= TCP/IP Filter Rule
Active= Yes
IP Protocol= 6      IP Source Route= No
Destination: IP Addr= 0.0.0.0
              IP Mask= 0.0.0.0
              Port #= 139
              Port # Comp= Equal
Source: IP Addr= 0.0.0.0
        IP Mask= 0.0.0.0
```

```
Port #=  
Port # Comp= None  
TCP Estab= No  
More= No           Log= None  
Action Matched= Drop  
Action Not Matched= Check Next Rule  
  
Press ENTER to Confirm or ESC to Cancel:
```

• **Menu 21.1.1.4 TCP/IP Filter Rule (for NetBIOS_WAN)**

```
Menu 21.1.1.4 - TCP/IP Filter Rule  
  
Filter #: 1,4  
Filter Type= TCP/IP Filter Rule  
Active= Yes  
IP Protocol= 17      IP Source Route= No  
Destination: IP Addr= 0.0.0.0  
                IP Mask= 0.0.0.0  
                Port #= 137  
                Port # Comp= Equal  
Source: IP Addr= 0.0.0.0  
                IP Mask= 0.0.0.0  
                Port #=  
                Port # Comp= None  
TCP Estab= N/A  
More= No           Log= None  
Action Matched= Drop  
Action Not Matched= Check Next Rule  
  
Press ENTER to Confirm or ESC to Cancel:
```

• **Menu 21.1.1.5 TCP/IP Filter Rule (for NetBIOS_WAN)**

```
Menu 21.1.1.5 - TCP/IP Filter Rule  
  
Filter #: 1,5  
Filter Type= TCP/IP Filter Rule  
Active= Yes  
IP Protocol= 17      IP Source Route= No  
Destination: IP Addr= 0.0.0.0  
                IP Mask= 0.0.0.0  
                Port #= 138  
                Port # Comp= Equal  
Source: IP Addr= 0.0.0.0  
                IP Mask= 0.0.0.0  
                Port #=  
                Port # Comp= None  
TCP Estab= N/A  
More= No           Log= None  
Action Matched= Drop  
Action Not Matched= Check Next Rule  
  
Press ENTER to Confirm or ESC to Cancel:
```

• **Menu 21.1.1.6 TCP/IP Filter Rule (for NetBIOS_WAN)**

```
Menu 21.1.1.6 - TCP/IP Filter Rule  
  
Filter #: 1,6  
Filter Type= TCP/IP Filter Rule  
Active= Yes  
IP Protocol= 17      IP Source Route= No  
Destination: IP Addr= 0.0.0.0
```

```

                                IP Mask= 0.0.0.0
                                Port #= 139
                                Port # Comp= Equal
Source: IP Addr= 0.0.0.0
                                IP Mask= 0.0.0.0
                                Port #=
                                Port # Comp= None
TCP Estab= N/A
More= No                      Log= None
Action Matched= Drop
Action Not Matched= Forward

Press ENTER to Confirm or ESC to Cancel:
```

• **Menu 21.1.2 Filter Rules Summary (for NetBIOS_LAN)**

```

                                Menu 21.1.2 - Filter Rules Summary

# A Type                      Filter Rules                      M m n
- - - - -
1 Y IP    Pr=17, SA=0.0.0.0, SP=137, DA=0.0.0.0, DP=53          N D F
2 N
3 N
4 N
5 N
6 N

Enter Filter Rule Number (1-6) to Configure:
```

• **Menu 21.1.2.1 TCP/IP Filter Rule (for NetBIOS_LAN)**

```

                                Menu 21.1.2.1 - TCP/IP Filter Rule

Filter #: 2,1
Filter Type= TCP/IP Filter Rule
Active= Yes
IP Protocol= 17      IP Source Route= No
Destination: IP Addr= 0.0.0.0
                                IP Mask= 0.0.0.0
                                Port #= 53
                                Port # Comp= Equal
Source: IP Addr= 0.0.0.0
                                IP Mask= 0.0.0.0
                                Port #= 137
                                Port # Comp= Equal
TCP Estab= N/A
More= No                      Log= None
Action Matched= Drop
Action Not Matched= Forward

Press ENTER to Confirm or ESC to Cancel:
```

• **Menu 21.1.3 Filter Rules Summary (for TELNET_WAN)**

```

                                Menu 21.1.3 - Filter Rules Summary

# A Type                      Filter Rules                      M m n
- - - - -
1 Y IP    Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=23                  N D F
```

2 N
3 N
4 N
5 N
6 N

Enter Filter Rule Number (1-6) to Configure:

· **Menu 21.1.3.1 TCP/IP Filter Rule (for TELNET_WAN)**

Menu 21.1.3.1 - TCP/IP Filter Rule

Filter #: 3,1
Filter Type= TCP/IP Filter Rule
Active= Yes
IP Protocol= 6 IP Source Route= No
Destination: IP Addr= 0.0.0.0
 IP Mask= 0.0.0.0
 Port #= 23
 Port # Comp= Equal
Source: IP Addr= 0.0.0.0
 IP Mask= 0.0.0.0
 Port #=
 Port # Comp= None
TCP Estab= No
More= No Log= None
Action Matched= Drop
Action Not Matched= Forward

Press ENTER to Confirm or ESC to Cancel:

· **Menu 21.1.4 Filter Rules Summary (for PPPoE)**

Menu 21.1.4 - Filter Rules Summary

#	A	Type	Filter Rules	M	m	n
1	Y	Gen	Off=12, Len=2, Mask=ffff, Value=8863	N	F	N
2	Y	Gen	Off=12, Len=2, Mask=ffff, Value=8864	N	F	D
3	N					
4	N					
5	N					
6	N					

Enter Filter Rule Number (1-6) to Configure:

· **Menu 21.1.4.1 Generic Filter Rule (for PPPoE)**

Menu 21.1.4.1 - Generic Filter Rule

Filter #: 4,1
Filter Type= Generic Filter Rule
Active= Yes
Offset= 12
Length= 2
Mask= ffff
Value= 8863
More= No Log= None
Action Matched= Forward
Action Not Matched= Check Next Rule

Press ENTER to Confirm or ESC to Cancel:

- Menu 21.1.4.2 Generic Filter Rule (for PPPoE)

Menu 21.1.4.2 - Generic Filter Rule

Filter #: 4,2
Filter Type= Generic Filter Rule
Active= Yes
Offset= 12
Length= 2
Mask= ffff
Value= 8864
More= No Log= None
Action Matched= Forward
Action Not Matched= Drop

Press ENTER to Confirm or ESC to Cancel:

- Menu 21.1.5 Filter Rules Summary (for FTP_WAN)

Menu 21.1.5 - Filter Rules Summary

#	A	Type	Filter Rules	M	m	n
1	Y	IP	Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=21	N	D	F
2	N					
3	N					
4	N					
5	N					
6	N					

Enter Filter Rule Number (1-6) to Configure:

- Menu 21.1.5.1 TCP/IP Filter Rule (for FTP_WAN)

Menu 21.1.5.1 - TCP/IP Filter Rule

Filter #: 5,1
Filter Type= TCP/IP Filter Rule
Active= Yes
IP Protocol= 6 IP Source Route= No
Destination: IP Addr= 0.0.0.0
 IP Mask= 0.0.0.0
 Port #= 21
 Port # Comp= Equal
Source: IP Addr= 0.0.0.0
 IP Mask= 0.0.0.0
 Port #=
 Port # Comp= None
TCP Estab= No
More= No Log= None
Action Matched= Drop
Action Not Matched= Forward

Press ENTER to Confirm or ESC to Cancel:

- Menu 21.2 Firewall Setup

Menu 21.2 - Firewall Setup

The firewall protects against Denial of Service (DoS) attacks when it is active. The default Policy sets

1. allow all sessions originating from the LAN to the WAN and

2. deny all sessions originating from the WAN to the LAN

You may define additional Policy rules or modify existing ones but please exercise extreme caution in doing so

Active: Yes

LAN-to-WAN Set Name: ACL Default Set

WAN-to-LAN Set Name: ACL Default Set

Please configure the Firewall function through Web Configurator

Press ENTER to Confirm or ESC to Cancel:

• **Menu 22 - SNMP Configuration:**

Menu 22 - SNMP Configuration

SNMP:

Get Community= public

Set Community= public

Trusted Host= 0.0.0.0

Trap:

Community= public

Destination= 0.0.0.0

Press ENTER to Confirm or ESC to Cancel:

• **Menu 23 – System Password:**

Menu 23 - System Password

Old Password= ?

New Password= ?

Retype to confirm= ?

Enter here to CONFIRM or ESC to CANCEL:

• **Menu 24.2.1: System Maintenance - Information**

Menu 24.2.1 - System Maintenance - Information

Name:

Routing: IP

ZyNOS F/W Version: V3.40(BZ.3) | 11/03/2006

xDSL F/W Version: A.463

Standard: ETSI(ANNEX_B)

LAN

Ethernet Address: 00:13:49:00:00:01

IP Address: 192.168.1.1

IP Mask: 255.255.255.0

DHCP: Server

Press ESC or RETURN to Exit:

• **Menu 24.2.2: System Maintenance – Change Console Port Speed**

Menu 24.2.2 - System Maintenance - Change Console Port Speed

Console Port Speed: 9600

Press ENTER to Confirm or ESC to Cancel:

- **Menu 24.3.2: System Maintenance – UNIX Syslog**

```
Menu 24.3.2 - System Maintenance - UNIX Syslog

UNIX Syslog:
  Active= No
  Syslog IP Address= ?
  Log Facility= Local 1

Types:
  CDR= No
  Packet triggered= No
  Filter log= No
  PPP log= No

  Firewall Log= No
  VPN Log= No

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 24.10: System Maintenance – Time and Date Setting**

```
Menu 24.10 - System Maintenance - Time and Date Setting

Use Time Server when Bootup= None
Time Server Address= N/A

Current Time:                00 : 01 : 01
New Time (hh:mm:ss):        00 : 01 : 01

Current Date:                2000 - 01 - 01
New Date (yyyy-mm-dd):      2000 - 01 - 01

Time Zone= GMT

Daylight Saving= No
Start Date (mm-dd):          01 - 00
End Date (mm-dd):            01 - 00

Press ENTER to Confirm or ESC to Cancel:
```

- **Menu 24.11: System Maintenance – Remote Management Control**

```
Menu 24.11 - Remote Management Control

TELNET Server:
  Server Port = 23                Server Access = LAN Only
  Secured Client IP = 0.0.0.0

FTP Server:
  Server Port = 21                Server Access = LAN Only
  Secured Client IP = 0.0.0.0

Web Server:
  Server Port = 80                Server Access = LAN Only
  Secured Client IP = 0.0.0.0

Press ENTER to Confirm or ESC to Cancel:
```


- Menu 25 IP Routing Policy Setup

Menu 25 - IP Routing Policy Setup			
Policy Set #	Name	Policy Set #	Name
1	_____	7	_____
2	_____	8	_____
3	_____	9	_____
4	_____	10	_____
5	_____	11	_____
6	_____	12	_____

Enter Policy Set Number to Configure= 0

Edit Name= N/A

Press ENTER to Confirm or ESC to Cancel:

- Menu 26 Schedule Setup

Menu 26 - Schedule Setup			
Schedule Set #	Name	Schedule Set #	Name
1	_____	7	_____
2	_____	8	_____
3	_____	9	_____
4	_____	10	_____
5	_____	11	_____
6	_____	12	_____

Enter Schedule Set Number to Configure= 0

Edit Name= N/A

Press ENTER to Confirm or ESC to Cancel:

- Menu 27 VPN/IPSec Setup

Menu 27 - VPN/IPSec Setup	
1. IPSec Summary	
2. SA Monitor	
3. View IPSec Log	
Enter Menu Selection Number:	


- Menu 27.1 IPSec Summary

Menu 27.1 - IPSec Summary				
#	Name	A Local Addr Start - Addr End / Mask	Encap	IPSec Algorithm
	Key Mgt	Remote Addr Start - Addr End / Mask		Secure Gw Addr
001	_____	_____	_____	_____
002	_____	_____	_____	_____

003
004
005
Select Command= None Select Rule= N/A
Press ENTER to Confirm or ESC to Cancel:

- ras> sys view autoexec.net
 sys errctl 0
 sys trcl level 5
 sys trcl type 1180
 sys trcp cr 64 96
 sys trcl sw off
 sys trcp sw off
 ip tcp mss 512
 ip tcp limit 2
 ip tcp irtt 65000
 ip tcp window 2
 ip tcp ceiling 6000
 ip rip activate
 ip rip merge on
 ip icmp discovery enif0 off
 ppp ipcp compress off
 sys wdog sw on
 sys quick enable
- ras> sys firewall ignore triangle all
 ignore: on

EWC Setting:
WAN to LAN ACL Rule setting



TOTAL INTERNET ACCESS SOLUTION

[Main Menu](#)

Advanced Setup

- Password
- LAN
- WAN
- NAT
- Dynamic DNS
- Firewall
- Content Filter
- VPN
- Remote Management
- UPnP

[Logout](#)

[SITE MAP](#)
[HELP](#)

Firewall - WAN to LAN - Rule Summary

The default action for packets not matching following rules: Block

☒ Default Permit Log

No.	Source IP	Destination IP	Service	Action	Log
1	Any	Any	BOOTP_CLIENT(UDP:68)	Forward	None
2			BOOTP_CLIENT(UDP:68)		
3			IKE(UDP:500)		
4					
5					
6					
7					
8					
9					
10					

Rules Reorder: Move rule number 1 to rule number 1 Move

Back
Apply
Cancel

UPNP is inactive.