

ZyXEL Prestige 650 3.40(ES.0) Release Note

Date: June 17, 2002

Supported Platforms:

ZyXEL Prestige firmware V3.40(ES.0) supports for P650

Versions:

ZyNOS Version: V3.40(ES.0) | 6/17/2002 8:46:44

Bootbase Version: V1.04 | 5/13/2002 18:55:09

Notes:

1. The Prestige 650 is a compact ADSL over POTS router that can be used for small-office or home-user and allows a small LAN to access the Internet through ADSL connection over the existing copper line.
 - Support Multi-Mode standard (ANSI T1.413, Issue 2; G.dmt(G.992.1); G.lite(G992.2)).
 - One auto-sensing 10/100M Ethernet interface
 - support Multi-protocol over AAL5 (RFC1483)
 - Support PPP over ATM AAL5 (RFC 2364)
 - Support PPP over Ethernet (RFC2516)
 - Support up to 8 PVCs
 - IP routing and bridging modes
 - Multi-NAT for Multi Global IP address Internet Access
 - DHCP Client, Server and Relay
 - RIP I/ RIP II supported.
 - IGMP
 - IP alias
 - IP Policy Routing
 - ICMP Router Discovery
 - TFTP/FTP server for firmware upgrade
 - F4/F5 OAM
 - Call Scheduling for PPPoE
 - Support Web Configurator
2. For PPPoE, system must turn off the PPP VJ header compression. The command is as following:
"ppp ipcp compress off", this command is already added into "autoexec.net"
3. Alcatel modem code version is 3.8.163

Modification:

Modification in 3.40(ES.0) (2002/6/17)

Change name for formal release.

Modification in 3.40(ES.0)b14 (2002/5/28)

1. Add ci-command "sys spt hidden <node>" to avoid user enter this remotenode to config
2. Enlarge the adsl download modem code timing from 100ms to 200ms (HTP)
3. Add "ATDC" for at-command.
4. Change rom-file setting for new structure.

Modification in 3.40(ES.0)b14 (2002/5/17)

1. Merge the code with P650H / P650HW
2. Change Bootbase to 1.04 version
3. Use the Rom_controller when engineer debug flag is close to avoid the NULL pointer exception problem.
4. Add “pragma pack(1) / pragma pack() “ between PACKED definition.
5. Change ethernet driver to follow P650H.
6. Merge SNMP trap v2
7. Merge the new exception handler.

Modification in 3.40(ES.0)b13 (2002/4/29)

1. Add the sptgen feature.
2. Add protection for null pointer to avoid exception.

Modification in 3.40(ES.0)b12 (2002/4/22)

3. Modify system reboot: telnet will sometimes let system reboot(exception occur.)
4. Common Bug fixed(porting from IP department by slchiang): add system sometimes will point to null point , new rascode will to detect pointer is null or not.

Modification in 3.40(ES.0)b11 (2002/4/12)

5. Unify the ADSL driver API for Web, Smt and ci-command.
6. Add DyingGasp Recovery mechanism
7. Modify the console task priority.
8. Add setting protection for MBS, Idle-timeout at smt4 / smt11. (0~65535)
9. Support PPP packet trigger [Note: Now PPP bcp mode would not support]
10. Add call filter at smt11.5 when the encap was packet trigger (PPPoE / PPP)
11. Modify the default DHCP ip pool to 32, and change the name of smt3.1 / smt 3.2
12. Enlarge the Queue number to 128, the tftp memory allocation size and the NatSessions (256 ->1024)
13. Add the ci-command “ wan adsl dumplog” for Alcatel interoperability testing. [Please use baudrate: 38400]
14. Add vendor and hwVerRange check
15. Add checksum protection for TFTP/FTP/Uart.
16. Upgrade romPager(Web Engine) from 3.0 to 4.0

Modification in 3.40(ES.0)b10 (2002/2/5)

1. Support Dynamic DNS, it can be configured from SMT 1.1
2. Support Remote Management, it can be configured from SMT 24.11
3. Alcatel modem code is upgraded to 3.8.163
4. Add a command “wan adsl rate off “ into AUTOEXEC.NET which is to avoid link up/down too frequently

Modification in 3.40(ES.0)b7 (2001/11/20)

- 1.support reset button to restore default ROM file

Modification in 3.40(ES.0)b6 (2001/11/8)

- 1.supports MIB-II
- 2.merge the codes with ZyNOS 3.40 trunk

Modification in 3.40(ES.0)b5 (2001/10/26)

- 1.Supports Embedded Web Configurator
- 2.Supports Uart using internal clock, but the baud rate only supports max to 38400bps
- 3.change default VPI/VCI to 8/35
- 4.Modify CI Command “ether driver config [0|1=auto|normal] [0|1=10|100] [0|1=HD|FD] <ch-name>”

Modification in 3.40(ES.0)b4

- 1.Modify BOOTBASE and also BOOTEXT to support MX flash
- 2.One CI command is added “ether driver config [0|1=normal|auto] [0|1=10|100] [0|1=HD|FD] <ch-name>” for configuring 10/100M ethernet manually, default is automatically sensing.

Modification in 3.40(ES.0)b3

In ATMRX.C ATM RX ISR, when receives error packets should free receive Rx count

Bug fixes:

Bug fixes in 3.40(ES.0)b16 (June 7, 2002)

1. Fix ppp channel setting serval times by changing static and dynamic would cause system could not ping out.
2. Fix oam F4 / F5 loopback test would be failure when debug flag is turned off.
3. Add hidden protection for sptgen.

Bug fixes in 3.40(ES.0)b16 (June 7, 2002)

1. Fix the ip checksum error if the options existed in ip header.
2. Fix the system hangup if the icmp echo request pass through our router in which the port translation setting in serverSet Table was from 1 to 2000.
3. Fix the system hangup due to press left button in smt submenu 24.2 / 24.3 / 24.4 / 12 / 12.1 / 12.3. Fix the CPU Bus timeout if OAM packet pass through our router in which there is no such VC.
4. Fix the channel drop fail and ring up fail problem at smt4/ smt11 (connection magnment)
5. Fix the security webpage filter link list problem.

Bug fixes in 3.40(ES.0)b15 (May 28, 2002)

1. Fix the web-page cause the line drop if the setting is as before.
2. Fix the NetBIOS packet incoming from Wan would cause our router exception
3. Fix the enet-encap could not bind wanip if the dsl line drop and link again.

Bug fixes in 3.40(ES.0)b14 (May 17, 2002)

1. Fix the DSL Active light is sparkling when no traffic pass through.
2. Fix the exception when typing "sys iface disp wanif0 4" (after wanif0 had created)
3. Fix the exception when new mac address pass through after the following setting steps: bridge is not set at smt1 and change bridge to router at smt11
4. Fix the exception if change the encap from PPP to 1483
5. Fix the PPP always idle if packet trigger before DSL line is up.
6. Fix the default setting is lost when we clear the remoteNode by typing space at smt.
7. Fix the username would be "?" if enter IP/Bridge option in smt11_01

Bug fixes in 3.40(ES.0)b13 (April 29, 2002)

1. Modify the default dhcp pool number at Web from 4 to 32

Bug fixes in 3.40(ES.0)b11 (April 12, 2002)

1. Fix the larger packet ping failure from the Wan side at PPPoE encap.
2. Fix the time couldn't be update from time server when the router reset or from the Lan side.
3. Fix the wanIp would not be changed when changing the wanip from static to dynamic.
4. Fix the system hang-up if pressing any key when loading ADSL modem code.
5. Fix the enet-Encap setting would be failure by smt11_01 (not smt4)

Bug fixes in 3.40(ES.0)b10 (February 5, 2002)

1. In Web system status, the subnet mask of remote IP address is wrong
2. One spelling error in the text display of command "sys romreset"
3. In Web "Show Statistics" display error in IE5

Bug fixes in 3.40(ES.0)b9 (Dec 17, 2001)

1. Configured 4 remote nodes, when ADSL line is link down, some remote nodes are not really closed, after line links up

Bug fixes in 3.40(ES.0)b9 (Dec 17, 2001)

1. Configured 4 remote nodes, when ADSL line is link down, some remote nodes are not really closed, after line links up again, some remote nodes can't work

Bug fixes in 3.40(ES.0)b8 (Dec 4, 2001)

1. System hangs-up when configured in bridge mode
2. System hangs-up when PPPoE mode is triggered
3. WAN iface will increase when system is configurring SMT4 - PPPoE or PPP again and again

Bug fixes in 3.40(ES.0)b7 (Nov 20 , 2001)

1. Using MIB browser to get all MIB will make system hang
2. System can't support 1k-Xmodem to upload F/W through Procomm Plus
3. System hang-up, when configuring remote nodes
4. In testing Upstream stress test to 4 remote nodes, 4 remote nodes receive different packet counts
5. In Web/GUI, system can't display DSL modem version
6. Configure LAN port to 100Mbps but it is treated as 10Mbps

Bug fixes in 3.40(ES.0)b6 (Nov 8 , 2001)

1. Change UBR to CBR, system will fail to ping
2. System will hang when using SNMP browser
3. The modem code version name should be Alcatel 3.8.124
4. system log can not be cleared
5. Budget allocation can only be used when encapsulation is "PPPoE"

Bug fixes in 3.40(ES.0)b3

1. In SMT 3.2, DHCP item can't be saved
2. In SMT 11, the subnet mask of Remote IP address can't be saved
3. Throughput test by Smart Application will fail when test duration is 60 seconds or more

Known Bugs:

1. Manufactory Data in Bootbase

ZyNOS Version	: V3.40(ES.0) 6/17/2002 8:46:44
Bootbase Version	: V1.04 5/13/2002 18:55:09
Vendor Name	: ZyXEL Communications Corp.
Product Model	: Prestige 650
ZyNOS Code Model	: P650 ATU-R
HTP Code Model	: HTP_P650 V 0.01
ZyNOS ROM address	: bfc08000
System Type	: 6
MAC Address	: 00A0C5xxxxxx
Default Country Code	: FF
Boot Module Debug Flag	: xx
RomFile Version	: xx
RomFile Checksum	: fd5b
ZyNOS Checksum	: 393d
SNMP MIB level & OID	: 060102030405060708091011121314151617181920
Main Feature Bits	: 86
Other Feature Bits	:
	77 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
	00 00 00 00 00 00 00 00 00-00 40 13 00 00 00

1. Default ROM File Value Setting

- **Menu 1: General Setup**

```
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

Menu 1.1 - Configure Dynamic DNS

Service Provider= WWW.DynDNS.ORG
Active= Yes
Host=
EMAIL=
USER=
Password= *****
Enable Wildcard= No

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-1
  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= ChangeMe
Encapsulation= ENET ENCAP
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= Dynamic
  IP Address= N/A
Network Address Translation= SUA Only
  Address Mapping Set= N/A

Press ENTER to Confirm or ESC to Cancel:

```

- **Menu 11 Remote Node Setup**

```

Menu 11 - Remote Node Setup

1. ChangeMe (ISP, SUA)
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Enter Node # to Edit:

```

- **Menu 11.1 Remote Node Profile**

```

Menu 11.1 - Remote Node Profile

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

Encapsulation= ENET ENCAP    Edit IP/Bridge= No
Multiplexing= LLC-based      Edit ATM Options= No
Service Name= N/A            Telco Option:
Incoming:                    Allocated Budget(min)= N/A
    Rem Login= N/A            Period(hr)= N/A
    Rem Password= N/A         Schedule Sets= N/A
Outgoing:                    Nailed-Up Connection= N/A
    My Login= N/A
    My Password= N/A
    Authen= N/A              Session Options:
                                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= Dynamic Ethernet Addr Timeout(min)= N/A
Rem IP Addr= 0.0.0.0
Rem Subnet Mask= 0.0.0.0
My WAN Addr= N/A
NAT= SUA Only
    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= 12, 11
  device filters=
Output Filter Sets:
  protocol filters=
  device filters=

Enter here 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. _____

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

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 15.1 - Address Mapping Sets

```

Menu 15.1 - Address Mapping Sets

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

Press ENTER to Confirm or ESC to Cancel:

```

- 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

Press ENTER to Confirm or ESC to Cancel:

```

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

```

Menu 15.2.1 - NAT Server Setup (Used for SUA Only)

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 Set Configuration

```

Menu 21 - 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     WebSet1
6      _____      12     WebSet2

Enter Filter Set Number to Configure= 0

Edit Comments= N/A

Press ENTER to Confirm or ESC to Cancel:

```

- Menu 21.1 Filter Rules Summary (for NetBIOS WAN)

```

Menu 21.1 - 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 TCP/IP Filter Rule (for NetBIOS WAN)**

```
Menu 21.1.1 - 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 21.1.2 TCP/IP Filter Rule (for NetBIOS WAN)**

```
Menu 21.1.2 - 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 21.1.3 TCP/IP Filter Rule (for NetBIOS WAN)**

```
Menu 21.1.3 - 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 21.1.4 TCP/IP Filter Rule (for NetBIOS WAN)**

```

Menu 21.1.4 - 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 21.1.5 TCP/IP Filter Rule (for NetBIOS WAN)**

```

Menu 21.1.5 - 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 21.1.6 TCP/IP Filter Rule (for NetBIOS WAN)**

```

Menu 21.1.6 - 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 21.2 Filter Rules Summary (for NetBIOS_LAN)**

Menu 21.2 - 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 21.2.1 TCP/IP Filter Rule (for NetBIOS_LAN)**

Menu 21.2.1 - 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 21.3 Filter Rules Summary (for TELNET_WAN)**

Menu 21.3 - 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			

- **Menu 21.3.1 TCP/IP Filter Rule (for TELNET_WAN)**

Menu 21.3.1 - 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 21.4 Filter Rules Summary (for PPPoE)**

```

Menu 21.4 - 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 21.4.1 Generic Filter Rule (for PPPoE)**

```

Menu 21.4.1 - 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 21.4.2 Generic Filter Rule (for PPPoE)**

```

Menu 21.4.2 - 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 21.5 Filter Rules Summary (for FTP WAN)**

Menu 21.5 - 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					

- **Menu 21.5.1 TCP/IP Filter Rule (for FTP WAN)**

```

Menu 21.5.1 - 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 21.11 Filter Rules Summary (for WebSet1)**

Menu 21.12 - Filter Rules Summary						
#	A	Type	Filter Rules	M	m	n
1	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=161	N	D	N
2	Y	IP	Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=162	N	D	F
3	N					
4	N					
5	N					
6	N					

- Menu 21.11.1 TCP/IP Filter Rule (for WebSet1)

```

Menu 21.11.1 - TCP/IP Filter Rule

Filter #: 11,1
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 #= 161
                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 21.11.2 TCP/IP Filter Rule (for WebSet1)

```

Menu 21.11.2 - TCP/IP Filter Rule

Filter #: 11,2
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 #= 162
                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 21.12 Filter Rules Summary (for WebSet2)

```

Menu 21.12 - 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 N
2 Y IP   Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=21   N D N
3 Y IP   Pr=17, SA=0.0.0.0, DA=0.0.0.0, DP=69   N D N
4 Y IP   Pr=6, SA=0.0.0.0, DA=0.0.0.0, DP=80    N D N
5 N
6 N

```

- **Menu 21.12.1 TCP/IP Filter Rule (for WebSet)**

```

Menu 21.12.1 - TCP/IP Filter Rule

Filter #: 12,1
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= Check Next Rule

Press ENTER to Confirm or ESC to Cancel:

```

- **Menu 21.12.2 TCP/IP Filter Rule (for WebSet))**

```

Menu 21.12.2 - TCP/IP Filter Rule

Menu 21.12.1 - TCP/IP Filter Rule

Filter #: 12,1
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= Check Next Rule

Press ENTER to Confirm or ESC to Cancel:

```

- **Menu 21.12.3 TCP/IP Filter Rule (for WebSet))**

```

Menu 21.12.3 - TCP/IP Filter Rule

Menu 21.12.1 - TCP/IP Filter Rule

Filter #: 12,1
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 #= 69
               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 21.12.4 TCP/IP Filter Rule (for WebSet)**

```
Menu 21.12.4 - TCP/IP Filter Rule

Menu 21.12.4 - TCP/IP Filter Rule

Filter #: 12,4
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 #= 80
               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 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 24.2.2: 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: 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

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:                06 : 14 : 33
New Time (hh:mm:ss):        06 : 14 : 33

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:

```

- `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`
 `wan adsl rate off`