



Firmware Release Note

# **Prestige 653HWI-11**

## **Standard version**

Release 3.40(OA.2)C0

**Date:**

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# ZyXEL Prestige 653HWI-11 Standard Version Release 3.40(OA.2)C0 Release Note

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## **Supported Platforms:**

ZyXEL Prestige 653HWI-11

## **Versions:**

ZyNOS F/W Version : V3.40(OA.2) | 03/05/2004 17:42:48  
BootBase : V1.02 | 10/16/2003 16:45:36

## **Notes:**

The P653HWI-11 is a small-office and home device that will allow a small LAN to access the Internet. By integrating ADSL, WLAN, ISDN, NAT, P653HWI-11 provides the ease of installation and Internet access.

The P653HWI-11 provides an Cardbus wireless card slot for 802.11g Wireless LAN connectivity, four single auto-sensing, auto-detection 10/100BASE-T Ethernet ports for connection to the user's local network, a single RJ-11 port for connection to ADSL line, and , a single RJ-45 port for ISDN Internet connection used for Backup line.

The version of Alcatel modem code is 13.9.38

## **Known Issues:**

1. When you change VPI/VCI value in PPPoA mode several times, the PPP link can't connect again.
2. NetCAPI still not support.

## **Features:**

### **Modification in V3.40(OA.2) | 03/05/2004**

1. [FEATURE CHANGED] Change to FCS version.

### **Modification in V3.40(OA.2)b1 | 02/26/2004**

1. [FEATURE CHANGED] Change to use modem code 13.9.38 to fit new adsl chipset

### **Modification in V3.40(OA.1) | 12/16/2003**

1. [BUG FIXED] Modify ISND dial backup remote node idle timeout default value is

300 seconds..

Symptom: ISDN dial backup remote node idle timeout default value is 0 seconds , and it is not match smt setting.

Condition: use Web / WAN /ISDN remote node config , and idle timeout is 0 seconds.

2. [FEATURE CHANGED] Change to FCS version.

**Modification in V3.40(OA.1)b2 | 12/16/2003**

1. [BUG FIXED] Modify web/wizard can't save dynamic wan ip setting after we set isdn backup remote node as a dynamic wan ip.

Symptom: Use web/wizard to config adsl remote node to dynamic ip is not work fine.

Condition: Use web to config isdn backup remote node as dynamic ip ,and config wan backup page to isdn backup enable, and config adsl remote node as PPPoA mode / dynamic wan ip , and save action can't work fine.

**Modification in V3.40(OA.1)b1 | 12/12/2003**

1. [BUG FIXED] Ramtest will show 32800K size

Symptom: while system reboot, ramtest will show 32800K..

Condition: reboot system ,and wait for system ramtest ok, and system must show 32768K , but show wrong memory size 32800K

2. [FEATURE CHANGED] use AT command atwe to write mac address , and system will auto reboot.

3. [BUG FIXED] atux0,60 to upload merge file is not work.

Symptom: use atux0,60 to upload bootmodule , romfile , rascode merge file is not work.

Condition: use atbt1 and atux0,60 to upload merge file , and it will not success.

4. [BUG FIXED] Web page remote management change config will cause system exception.

Symptom: Web page remote management change config will cause system exception.

Condition: use IE to login P653HWI, and choice remote management, then change telnet item to LAN only , and press Apply , and system have exception.

5. [BUG FIXED] Web page will show redundant wlan active select item

Symptom: web page will show redundant wlan active select item

Condition: web page will show redundant wlan active select item in wlan setting.

**Modification in V3.40(OA.0) | 12/1/2003**

1. [FEATURE CHANGED] Change to FCS version.

**Modification in V3.40(OA.0)b9 | 11/28/2003**

1. [BUG FIXED] Bandwidth management sometimes will cause system exception.  
Symptom: while bandwidth management active, and system sometimes will get null packet , then it will cause system exception.  
Condition: Enable bandwidth management, and use packet to pass-through P653 for some minutes, and system will reboot.

**Modification in V3.40(OA.0)b8 | 11/25/2003**

1. [BUG FIXED] PNC string not show in menu 21  
Symptom: PNC string not show in menu 21  
Condition: enter menu 21 , and menu show PNC string is wrong..
2. [BUG FIXED] While we do VBR test, MBS value cannot over 255  
Symptom: in menu 11, we can set MBS to over 255, but it is no meaning.  
Condition: in menu 11, we can set MBS to over 255, so we limit MBS field to enter a value not large than 255.
3. [BUG FIXED] VPN can't establish ipsec tunnel while we use PPPoA mode.  
Symptom: in PPPoA mode , ipsec tunnel can't be establish.  
Condition: change menu 4 to PPPoA mode, and use CI command : ipsec dial 1 to establish ipsec tunnel, and it will cause timeout.
4. [BUG FIXED] Web/Firewall Isec\_TRANSPORT/TUNNEL(AH0) items is bad  
Symptom: Web/Firewall Isec\_TRANSPORT/TUNNEL(AH0) items can't be selected.  
Condition: Web/Firewall Isec\_TRANSPORT/TUNNEL(AH0) items can't be selected and move to right field.
5. [BUG FIXED] ACL rule be added in web many times , and system will have exception.  
Symptom: ACL rule be added in web many times, and system will have exception.  
Condition: ACL rule be added ,and system cannot work fine ,and exception.
6. [FEATURE CHANGE] Extend bootext waiting time to over 3 seconds for TE department to operate at command.

**Modification in V3.40(OA.0)b7 | 11/7/2003**

1. [BUG FIXED] SNMP agent not work fine.  
Symptom: SNMP agent not work fine  
Condition: use MIB browser to get system object id , P653 don't send response packet.
2. [BUG FIXED] The traffic redirect sometimes doesn't work in PPPoE mode.  
Symptom: The traffic redirect sometimes doesn't work in PPPoE mode while adsl line is plug again  
Condition: in menu 4 use PPPoE mode , in menu 2 use ICMP mode , and adsl line link up fine, drop adsl line , and plug adsl line again, traffic will not turn back to adsl line.

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3. [BUG FIXED] Menu 11 isdn dial in remote node must fill not null remote ip address.  
Symptom: Menu 11 isdn dial in remote node must fill not null remote ip address  
Condition: in Menu 11 , isdn dail in remote node ,remote ip address can enter 0.0.0.0, and now must enter a not null ip address
4. [BUG FIXED]in bridge mode , heavy traffic in WLAN will cause system reboot  
Symptom: in bridge mode, WLAN will cause system reboot.  
Condition: in bridge mode , use IP/TV to play movie, and multicast packet will cause WLAN driver to have heavy traffic , and system will reboot.
5. [BUG FIXED]Modify hwsar address error will cause http and ftp to get some server size  
Symptom: HTTP to connect to yahoo web site , and ftp to win2000 server will fail.  
Condition: use HTTP to connect to yahoo web site will have error message , and use ftp to connect to win2000 server will not display all filename.

**Modification in 3.40(OA.0)b6 | 10/17/2003**

1. [FEATURE ENCHANED] Support New Compression method .
2. [FEATURE CHANGED] Use bootmodule 1.02 and support new hardware with 32Mb SDRAM.
3. [FEATURE ENCHANED] Reduce system memory size from 4Mb to 3Mb.
4. [BUG FIXED] Modify TFTP and Web can't upload f/w  
Symptom: tftp can web upload f/w will not work .  
Condition: after system reboot, system memory will be exhausted during some minutes. So upload f/w will not action correctly(change ftp server task priority , and it will cause common issue to show "HTTP accept error")
5. [BUG FIXED] modify isdn dial backup will not work fine after config menu 2 wan backup setting  
Symptom: ISDN remote node in dial backup mode will not trigger to dial out .  
Condition: Configure ISDN setting in menu 2.Then Configure ISDN remote node in menu 11. Dial backup doesn't work .
6. [BUG FIXED] modify Hwsar VBR not work  
Symptom: Hwsar VBR not work fine  
Condition: use VBR in smt11 to test QoS function.
7. [BUG FIXED] modify smt12 cannot select 10~16 items  
Symptom: smt12 can't select 10~16 items.  
Condition: enter menu 12 , and select 10~16 item.
8. [FEATURE ENCHANED] support bandwidth management.

**Modification in 3.40(OA.0)b5 | 09/26/2003**

1. [FEATURE ENCHANED] ISDN remote node support nail-up connection selection.
2. [FEATURE CHANGED] Bootext stage will turn off all wlan, adsl , isdn LED
3. [FEATURE ENCHANED] add ISP remote node wan ip address in menu 24.1 display, and isdn connect will show 3 stage-Idle, Lcp up, UP for user to read more information about isdn connection.
4. [BUG FIXED] Modify FTP and HTTP task priority equal will have socket accept error.  
Symptom: use ftp to upload f/w ok , console will display "HTTP accept error".

Condition: use ftp to upload f/w , and error message will show in console.

**Modification in 3.40(OA.0)b4 | 09/21/2003**

1. [BUG FIXED] System will hang in menu 2.2.2 while user press enter key in short time.  
Symptom: The system sometimes will hang in menu 2.2.2..  
Condition: in menu 2.2.2 and press enter key in short time.
2. [BUG FIXED] WAN backup recovery mechanism have some issue for traffic redirect in PPPoE mode. It sometimes can't back to ADSL line  
Symptom: ICMP backup mode will not recovery to use ADSL line in PPPoE mode.  
Condition: use PPPoE mode to connect ADSL, and drop ADSL line to use ISDN line to connection, and plug ADSL line, recovery mechanism will not active.
3. [FEATURE ENHANCED] Support 10 remote nodes and the last two are for ISDN backup and dial-in management.
4. [BUG FIXED] We can configure NAT field for bridge mode in menu 11. It is one bug.  
Symptom: menu 11.1 switch to bridge mode , and menu 11 still show SUA mode  
Condition: in menu 11.1 , select ip mode , in menu 11.1.3 select SUA mode, and save menu 11 remote node , enter menu 11.1 again, and switch menu 11.1 to bridge mode, and back to menu 11 ,it still show SUA mode.
5. [BUG FIXED] It display "Do you ....." message after saving menu 4. Please remove it.  
Symptom: show redundant message in menu 4 while menu 4 save.  
Condition: change any setting in menu 4 and save.
6. [BUG FIXED] Reset button function doesn't meet PS.  
Symptom: reset button press 1 second will reboot system , but not need to restore default romfile.  
Condition: reset button presses 1 second will just only reboot system.
7. [FEATURE ENHANCED]support SIP pass through.
8. [BUG FIXED] If ReAuthentication set to 10 in 802.1x function . the 802.1x function will fail .  
Symptom: change menu 23.4 ReAuthentication time to 10 seconds.and ReAuthentication will sometimes fail.  
Condition: change minimum value to 60 seconds.
9. [BUG FIXED] When FTP upgrage f/w, it will show redandant message : HTTP socket error.  
Symptom: upgrade rascode by ftp upload, and it will display "HTTP accept fail"  
Condition: change ftp task priority.
10. [BUG FIXED] In web configuration, 802.1x authentication timeout will not check correct range must not be 0  
Symptom: web config it and enter a value is 0  
Condition: change check timeout value in timeout field.

**Modification in 3.40(OA.0)b3 | 09/02/2003**

1. [BUG FIXED] External spec not match with f/w  
Symptom: <1> Host name length does define 63 in ES but now check is 71 <2> Menu 11.1 incoming login length define 45 in ES but now check is 31 and outgoing login/pw id 45/31 in ES but now check is 71 <3> VC mode , VC option for Bridge VPI define 0-255 in ES but now check it can keyin to 0-999 and VCI can keyin to 0 ~ 65535 <4> Menu 24.3.2 Unix syslog loss type setting but EX have define ..  
Condition: External spec V0.1 not match f/w setting.
2. [BUG FIXED] wlan driver sometime not work fine  
Symptom: Sometime WLAN have been ready but WLAN LED does not turn on and use site survey also can not be find this AP. If you power cycle several times about 10 time will have once  
Condition: reboot system , and sometime system wlan will not work fine.
3. [BUG FIXED] syslog cannot display  
Symptom: System log function in menu 24.3.1 can not into and work and into menu 24.8 CI command mode issue " sys log disp" that it always display no log existing  
Condition: CI command "sys log disp" must change to call "sys log err disp" for centralize log, and oam loopback in web will display error CI command message.
4. [BUG FIXED] smt 24.7.1 reboot system cannot enter debug mode  
Symptom: It can auto into debug mode in Menu 24.7.1 and menu 24.7.2  
Condition: enter smt24.7.1 and reboot system , system will not auto wait in debug mode.
5. [BUG FIXED] DDNS just need support dyndns  
Symptom: The SMT support 2 server but we just need support dyndns , so we just change setting  
Condition: smt1.1 will have 2 server choice.
6. [BUG FIXED] redundant IPX filter bug  
Symptom: remove filter type IPX filter rule from menu 21.1.1.1 because we does not support IPX protocol  
Condition: smt21 will have redundant IPX filter selection.
7. [BUG FIXED] generic filter field have wrong range setting  
Symptom: When we set length to 9 in filter/generic filter rule it can press enter but we we save to Rom will change to 6  
Condition: Generic filter setting will have error setting.
8. [BUG FIXED] redundant SMT setting  
Symptom: Accounting server can list in SMT menu but can not into and work.  
Condition: smt menu will show accounting server selection.
9. [BUG FIXED] ATLD command support  
Symptom: ATLD function does not support now  
Condition: atld command not support.
10. [BUG FIXED] OAM loopback fail  
Symptom: The OAM loopback function always fail in Web/Wizard and maintenance/diagnostic.  
Condition: it will show error message and cannot work fine.
11. [BUG FIXED] firmware cann't upgrade through web  
Symptom: The firmware upgrade function fail in Web/maintenance/firmware and show "server error a file system error was deteceted on the Rompager server" , We use

LAN side to this upgrade function.

Condition: web upgrade f/w function not work fine.

12. [BUG FIXED] ISDN dial backup not work fine  
Symptom: The ISDN WAN backup function can not work in WAN backup function (DSL link and ICMP function both can not be work)  
Condition: ISDN dial backup not work fine..
13. [BUG FIXED] Poor WLAN throughput  
Symptom: The wireless throughput poor than G-1000 , G-1000 Tx : 20Mbps RX : 14.4Mbps but P653HWI-11 Tx 10Mbps and RX 3.2Mbps  
Condition:Low WLAN through..
14. [BUG FIXED] ISDN dial backup not work fine  
Symptom: We do ISDN wan backup function and set to ICMP mode , when we pull out DSL line do this function test and plug in DSL line again , sometime the DSL line can not up again that we must reset device just can  
Condition: No adsl active again.
15. [BUG FIXED] smt4 field setting bug  
Symptom: When we press "Enter" key to "server name" item , the message display " Menu-4 Internet Access Setup" below in menu 4  
Condition: smt4 field display error.
16. [BUG FIXED] firewall default setting bug  
Symptom: Could we follow other mode set IKE default port to fierwall function , if we doesn turn on maybe VPN working have problem  
Condition: default setting in firewall rule is wrong.
17. [BUG FIXED] Smt2 field range error  
Symptom: The Keepalive faile tolerance set to 9 and ICMP timeout set to 9. in WAN backup function  
Condition: Smt2 setting will have error setting range.

**Modification in 3.40(OA.0)b2 | 08/21/2003**

1. [BUG FIXED] Modify smt4 and smt11 dynamic ip address not consistent bug.
2. [BUG FIXED] Modify isdn reset will cause system reboot randomly.
3. [BUG FIXED] Modify smt24.2 set baudrate is 115200 , and use 9600 baudrate to enter any character , system will reboot bug.
4. [BUG FIXED]Modify WLAN card will cause PCI error in 0°C .

**Modification in 3.40(OA.0)b1 | 08/11/2003**

1. [FEATURE ENHANCED] add ISDN for dial backup and smt2.2 , smt11 remote node 8 for ISDN dial out/dial in connection.
2. [FEATURE ENHANCED] add smt14 smt23.2 smt23.4 for 802.1x
3. [FEATURE ENHANCED]add 802.11g Cardbus WLAN card support and WLAN card must use Cardbus interface 802.11g card.
4. [FEATURE ENHANCED]add firewall /VPN feature (VPN can use 10 tunnel and use hardware DES)
5. [FEATURE ENHANCED] ISDN line can use CI command "device dial 8" for isdn

line dial out, and “device drop bri0” , “device drop bri1” for drop isdn B channel.