ZyXEL

Release Notes

P-660HW-T1 V3
Standard Version
3.70(BJZ.10)C0

Release Date: June 1, 2011
Release RD: Eileen Ren

CONFIDENTIALITY STATEMENT

Contents

1   General Information

1.1   Version

The firmware version is as below.

Items	Value
RAS Version	V3.70(BJZ.10) | 06/01/2011
Bootbase Version	V1.00 | 12/3/2008
DSL Image Version	xxx
WLAN Image Version	xxx
VDSP Image Version	xxx

1.2   Modification

The track records of modification are listed as below.

Modifications in V 3.70(BJZ.10)C0 | 06/01/2011
1.   Change to FCS.
Modifications in V 3.70(BJZ.10)b1 | 05/24/2011
1.   [BUG FIX] SPRID: 110317332
Topology:
Blackberry)))))P-660HW-T1 v3---DSLAM----Internet
Symptom:
Refer to BlackBerry is the popular used in Thailand. End user use BlackBerry and it cannot connect the wireless of P-660HW-T1 v3.
After tested with all wireless security modes even no security mode, it cannot connect and cannot use wireless smoothly. If BlackBerry can connect with WiFi, it can surf Internet for a while and then disconnect. Most time, it even cannot ping to P-660HW-T1 v3.
This issue happen every time. After Reboot the CPE, the issue still cannot recover.
Modifications in V 3.70(BJZ.9)C0 | 04/02/2011
1.Change to FCS version.

Modifications in V 3.70(BJZ.9)b2 | 03/09/2011
1.[BUG FIX] SPRID: 110302205
Sympton:DNS Secured Client IP does not work.
Condition:
1.   Set Access Status as WLAN & LAN.
2.   Secured Client IP Range from 192.168.1.37 to 192.168.1.39.
3.   Set LAN PC's IP address as 192.168.1.33/24, DNS: 192.168.1.1.
4.   LAN PC visit website successfully. In fact, it should not visit any website.

Modifications in V 3.70(BJZ.9)b1 | 2/23/2011
1.[BUG FIX]
Symptom:STA can not connect to more AP if MAC address is C8xxxxxxxxx.
Condition:
step 1:Device MAC address is C8:xx:xx:xx:xx:xx,active More AP ZyXEL02,ZyXEL03,ZyXEL04.
step 2:Scan the ssid ,you will find the MAC address of ZyXEL02 and ZyXEL04 is the same CE:xx:xx:xx:xx:xx.
the MAC address of ZyXEL02 should be C6:xx:xx:xx:xx:xx;the MAC address of ZyXEL03 should be CA:xx:xx:xx:xx:xx;the MAC address of ZyXEL04 should be CE:xx:xx:xx:xx:xx.

2. [BUG FIX]SPRID: 110214608
Symptom:
Use the Content Filter feature to block "Facebook" access through the keyword option.

When a webpage contains any reference or link to facebook, that website also cannot be displayed.
Condition: N/A
Replicability: Can't replicate in our site.

3. [BUG FIX]SPRID:101210775
This model doesn't respond to zero data length pings.
Step1: Reset to default factory settings.
Step2: PC connects to the LAN side of the CPE.
Step3: In PC's CLI, input "ping 192.168.1.1 -l 0" the result shows "Request timed out".

4.[BUG FIX]SPRID:110214631
Symptom:
There will be Internet freeze problem while running BT.
Condition:
I tested with normal usage e.g. email checking, web streaming, surfing Internet and MSN.
Then Internet will freeze for a moment (10 – 30 Seconds). It occurred randomly.
If don't run BT, Internet still freezes. But running BT, you will see the problem faster.

5. [BUG FIX]SPRID:101028594
Symptom:After downloading BT about 5 hours, CPE will reboot. Then can work normal again. Sometimes can't browse Youtube websites or browse slowly.
Topology: PC----LAN----P-660HW-T1 v3-----InternetPC: download BT and browse Youtobe websites.
Steps:1. Use CPE default romfile.
2.   Active the sys log in GUI.
3.   Download BT with BitComet. After about 5 hours, CPE will reboot.Note:need enable the sys log of "Access Control" could reproduce this issue.

6.Change default romfile.
 Active nat session Reserve.
     NAT reserve for ICMP session number : 5
     NAT reserve for common application session number : 95
Modifications in V 3.70(BJZ.8)C0 | 12/14/2010
1.Change to FCS version.

Modifications in V 3.70(BJZ.8)b2 | 12/03/2010
1.[BUG FIX]SPRID: 101203279
Symptom:When signing in Windows Live Messenger 2011 and 2009, and try to start video call, device will crash.
Condition
1. Topology:
ISP ADSL Line-------P-660HW-T1 v3------PC with WLM 2011/2009
Step A:
1.   Turn on the device, wait until it's ready.
2.   Sign in WLM 2011 automatically.
The device will reboot. BUT if you leave the device for a while (5-10 Minutes), and then sign in WLM 2011 the device will not reboot.
Step B:
1.   While you are chatting on WLM2011.
2.   Try to start video chat, the device will reboot.
2.[BUG FIX]SPRID:101125051
Symptom:change country code to 13 channel,in GUI select the wireless channel as 13,change the country code to 11 channel,in GUI ,the wireless channel still show 13,we check it in wireless page,in fact it is 1 channel.
3.[BUG FIX]SPRID:101124920
change country code as C6 or B5,device will crash.
Modifications in V 3.70(BJZ.8)b1 | 11/18/2010

1.[BUG FIX]SPRID: 101028593

Symptom:When download BT, it's very slow to browse Intetnet.

TOPO:

PC ((((WLAN ((((P660HW-T1 v3)))) WLAN)))) Notebook

PC: Download bit-torrent 4 files (enable DHT), online MSN, surfing Internet.

Notebook: online MSN, surfing Internet, download FTP, email checking.

Result:

- Very slow to surf Internet when running shortly. So I limited download rate on BT program to separate bandwidth for other usage. But it's not better.

- PC can surf Internet sometime but Notebook cannot.

- Try to reset NAT session then can back to surf Internet again but shortly for Notebook.

- Try to access the device via Telnet but cannot.

2.[BUG FIX]SPRID: 101014838

Symptom: When forward port 5000 - 15000, slow to surf Internet

Steps: 1. Reset to factory default.

    2. Set port forwarding (Start Port: 5000, End Port: 15000)

    3. Open website e.g. www.zyxel.co.th (try normal usage)

    4. You will see that it's very slow to access the web page

    5. Try to inactive port forwarding, you will see the different between active and

      inactive. (Active port forwarding will effect surfing Internet very slow.)

3.[BUG FIX]SPRID: 101103281

Symptom: Set DUT as bridge,IGMP snooping can't work

Condition:

    step1:default romfile

    step2:set PVC1 as PPPOE for Internet,set PVC2 as bridge for IPTV

    step3:enable 802.1P/Q,bind LAN4 to PVC1,LAN1/2/3 to PVC2

    step4:LAN4 open website and can access to Internet,LAN1,2,3 to play IPTV is ok

    step5:CI"ether switch igmp enable"to enable IGMP snooping,then LAN1,2 IPTV is hang

    step6:LAN3 play IPTV,other LAN port can capture may UDP packet,so IGMP snooping can't work

    step7:set PVC2 as router and enable Multicast in LAN,repeat step4-6

4.[BUG FIX]SPRID:101103277

Symptom:DUT will get PVC2 DNS(the DNS can't access to Internet),it will lead to LAN PC can't access to Internet.

Condition:

step 1:default romfile

step 2:set PVC1 as PPPOE and get WAN IP,now "ip dns sta" show PVC1 DNS and LAN PC can access to Internet

step 3:set PVC2 as Encap and get WAN IP,now "ip dns sta" show PVC2 DNS 192.168.6.1(it can't access to Internet) and LAN PC can't access to Internet

5.[BUG FIX]SPRID:101102162

Symptom:When one STB is attached to the LAN of CPE, we can get the picture, but the picture got distorted and the packet loss very high. All the LAN ports get the same result.

Condition:(1)in bridge mode (2)802.1q enable (3)IGMP Snooping enable.

6. [ENHANCEMENT]Add tcconsole function for TC platform capturing DSL IOP logs.

7.[ENHANCEMENT]In the login page, to support "user/password" mode.

admin account:

  username:admin

  password:1234

user account:

  username:user

  password:user

8. Change modem code to GA version 3.12.8.140_TC3086.

9.[ENHANCEMENT]Enhance remote MGMT to four RANGE IP.

10. [Enhancement] Update wireless country code and channels

1. Update country code mapping table.

2. Update wireless channels number for each specified country.

3. Update PDM system and maintain country code table.

Modifications in V 3.70(BJZ.7)C0 | 09/27/2010

1.   Change to FCS.

Modifications in V 3.70(BJZ.7)b1 | 09/21/2010

1.   [BUG FIX]SPRID: 100919680

Symptom: Modifying the MAC Address to 50:xx:xx:xx:xx:xx or 40:xx:xx:xx:xx:xx , more AP can not work with FCS hardware.

Condition:

step 1: Device MAC address is 40:xx:xx:xx:xx:xx,active More AP ZyXEL02,ZyXEL03,ZyXEL04.

step 2: Scan the ssid ,you will find the MAC address of ZyXEL02,ZyXEL03 and ZyXEL04 is
40:xx:xx:xx:xx:xx.the MAC address of ZyXEL02 should be 46:xx:xx:xx:xx:xx;the MAC address of
ZyXEL03should be 4A:xx:xx:xx:xx:xx;the MAC address of ZyXEL04 should be 4e:xx:xx:xx:xx:xx.

Modifications in V 3.70(BJZ.6)C0 | 08/31/2010

1.   Change to FCS.

Modifications in V 3.70(BJZ.6)b2 | 08/23/2010

1.   [FEATURE CHANGE]

Remove RTL8306E Switch support.

Modifications in V 3.70(BJZ.6)b1 | 08/11/2010

1.   [BUG FIX]SPRID:100715708

Symptom : "skbuff alloc of size failed 2" will pop-up by console after watching PPS on Wireless PC ,then we could find SSID but could not connect to CPE again by wireless. LAN PC keeps 'idle' during the period.

Condition :

(1)CPE reset

(2)Configure WAN (public PPPOE),just one default PVC

(3)DSL synch up ,PPPOE is up

(4)Watch PPS and download movie on wireless PC (LAN PC is idle)

(5)Wireless hang, skbuff alloc of size failed 2 pop-up within five minutes,we could not connect to CPE by Wireless any more.

2.   [BUG FIX]SPRID:100805318

Symptom:PC can't get IP by wireless when security mode is WPA-PSK and 8021Q is enabled.

Condition:N/A

3.   [BUG FIX]SPRID:100805284

Symptom:DHCP doesn't work on 40 units of P660HW-T1 v3. These units are at shop. Local support team checked them at the office, it can work fine. PC can get IP Address normally. However, other models can work normally at this shop and the problem only happens in that shop.

Condition:N/A

4.   [BUG FIX]SPRID:100810629

Symptom:ZXTH published f/w V3.70(BJZ.3)F0 on website.

There are many customers upgrade f/w to V3.70(BJZ.4)C0 by themselves.

When they want to downgrade f/w to V3.70(BJZ.3)F0, it cannot and the device will boot loop.

Condition:N/A

5.   [FEATURE ENHANCEMENT]

Add WLAN SSID and Security Auto-Generation feature.

6.   [FEATURE ENHANCEMENT]

Support RTL8306E Switch.

Modifications in V 3.70(BJZ.5)C0 | 07/30/2010

1.   Change to FCS.

Modifications in V 3.70(BJZ.5)b1 | 07/15/2010

1.[Bug Fix]When load rom-d to device via ftp, device will crash.

Modifications in V 3.70(BJZ.4)C0 | 06/04/2010

1.Change to FCS version.

Modifications in V 3.70(BJZ.4)b3 | 05/24/2010

1. [BUG FIX] SPRID: 100519151

it cannot restore user configuration file via GUI/Advanced Setup/Maintenance/Tools/Configuration.

Modifications in V 3.70(BJZ.4)b2 | 05/12/2010
1.Modify the bootbase HW version to prevent user from downloading old firmware into new HW sample
2. [BUG FIX] SPRID: 100506256
Device will crash by opening the following link: http://192.168.1.1/UD/
3. [BUG FIX] SPRID: 100506259
This FW add some parameters to rom-t , if changes all of these parameters at one time device can not accept all of them
4. [BUG FIX] SPRID: 100506264
The device will reboot in win7 system when we find a AP,and input the device pin number

Modifications in V 3.70(BJZ.4)b1 | 04/21/2010
1. [FEATURE ENHANCEMENT]
Support daul romfile feature.
2. [FEATURE Change]Remove htp to save the flash size.
Add "REMOVE_HTP" to remove htp in flash and use calibration tool for calibration f/w upload.
3. [FEATURE ENHANCEMENT]Add rom-t feature,support UK cared parameters at this moment.
1)Add 802.1x parameters
2)Add firewall active flag
3)Add DHCP gateway parameters
4)Make ISP login name can set 70 characters
4. [FEATURE ENHANCEMENT]
Support MX25L1606E FLASH

Modifications in V 3.70(BJZ.3)C0 | 04/20/2010
    1.Change to FCS version.

Modifications in V 3.70(BJZ.3)b1 | 04/20/2010
1. [BUG FIX] SPR: 090409676
Symptom: When download several files on bit commet 1.14, when NAT session increase to a lot, it will be very slow to access internet
Condition:
Topology:PC---CPE---DSLAM---Internet
Step1: Reset to default romfile file
Step2: Set the encapsulation to Enetencap and make sure CPE can access internet rightly.
Step3: Starting to downloading several files, about 3-4 files. Then try to ping out e.g. ping www.google.cn -t and open website. There is some ping lost and open website slowly.
Solution:Use command "ip nat sessionResv common [Num]"and "ip nat sessionResv icmp [Num]"to reserve the session number of common application and limit the BT session.
This fw has limited 70% of Max per host for Bit Application.

2. [Bug Fix] SPRID: 091123043
Symptom: 802.1Q show error on GUI.
Condition:1. log in web gui: 802.1Q/1P＞Port Setting, it shows 8021.Q ,not 802.1Q

3.Change default romfile.
        1)sys gen bri on
        2)disable WAN and LAN RIP

Modifications in V 3.70(BJZ.2)C0 | 07/31/2009
    1.Change to FCS version.

Modifications in V 3.70(BJZ.2)b1 | 07/10/2009

1. [BUG FIX] SPR: 090409676
Symptom: Vista PC can't obtain IP from P660HWT1v3 but XP PC can get it.
Condition:
Default rom file in P660HWT1v3.
Two WiFi clients One is Vista OS and the other is XP OS.
Vista PC can't get IP address but XP PC can get it.
Set static IP address for the Vista PC, it can receive ping reply from P660HWT1v3.
2. [BUG FIX] SPR: 090421346
Symptom: CPE will crash after enable 802.1Q without do VLAN setting and apply setting
Condition:
Step1 Based on default romfile.
Step2 Login CPE to change LAN IP(for example:change to 192.168.1.10).
Step3 Relogin CPE with new IP and disable DHCP server
Step4 Go to 802.1Q setting page and enable it without do anything else
Step5 Click 'Apply', then problem occur.
3. [BUG FIX] SPR: 090527266
Symptom: Device crash when enable second SSID or ping to device.
Condition:
When customer enable the second SSID via the memg PC, device will get crash. There is no other traffic in their environment, only ping to CPE. Attachment is crash log.
CSO have reproduced new issue at my side, when enable second SSID ,I got 70-80% crash. I find another way that always can get crash, when I ping CPE LAN IP(e.g ping 192.168.1.1 –t)from memg PC, it will always crash.
4. [BUG FIX] SPR: 090602144
Device reboot when ping from management vlan or enable second SSID.
Symptom: When customer enable the second SSID via the memg PC, device will get crash. There is no other traffic in their environment, only ping to CPE.
Condition:
Step1: Restore customer's rom file(pass 1234) as attachment.
Step2: test 1:Login CPE web gui via managment PC, enable second SSID. CPE will crash.
test 2: ping from managment PC to CPE's LAN ip 192.168.1.1 -t, CPE will crash.

4. [BUG FIX] SPR: 090623564
Symptom: If unplug DSL line and then plug DSL line, it will make wireless connection disconnect.
Topology: Notebook)))((((CPE-------Internet
Condition:
Step1: Reset to default romfile file
Step2: Configure wan settings to PPPoE, and wireless setting, no encryption.
Step3: Ping from notebook to CPE: ping 192.168.1.1 -t , ping is ok.
Step4: Unplug DSL line, ping still ok.
Step5: plug DSL line, ping will time out and wireless will get disconnect.
5. Add ClI "wan node DNSxxx" to support MAP+
6. Change default romfile.
   Disable all remote management in wan direction