

Prestige P650H-17 3.40(GL.1)c0

Release Note

Date: July 29, 2002

Supported Platforms:

TOSHIBA TMPR39280F

Versions:

ZyNOS Version: V3.40(GL.1) | 07/29/2002

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

Notes:

1. The P650H-17 (ADSL Router) is a small-office and home device that will allow a small LAN to access the Internet. By integrating ADSL, and NAT capability, P650H-17 provides not only the ease of installation and Internet access, but also the most completed security solution to protect your intranet and efficient network management for data traffic.

The P650H-17 provides four single auto-sensing, auto-detection 10/100BASE-T Ethernet ports for connection to the user's local network, and a single RJ-11 port for connection to ADSL line.

Main features:

- ADSL

- Support Multi-Mode standard (ANSI T1.413, Issue 2 ; G.dmt(G.992.1); G.lite(G992.2)).
- Auto-negotiating rate adaptation
- ADSL physical connection ATM AAL5 (ATM Adaptation Layer type 5)
- Support multi-protocol over AAL5 (RFC1483)
- Support PPP over ATM AAL5 (RFC2364)
- PPP over Ethernet support for DSL connection (RFC 2516)
- Support VC-based and LLC-based multiplexing
- F4/F5 OAM

- Hardware

- Four 10/100M Ethernet UTP ports for LAN connection
- Restore Factory Defaults/Reboot button

- Router

- NAT (includes multi-to-multi NAT) / SUA
- Packet Filter
- VPN (IPSec, PPTP, & L2TP) pass through support
- Port forwarding
- Embedded Web Configuration
- SNMP v1 & v2c with MIB II

2. The version of Alcatel modem code is 4.9.2

Modification:

Modification in 3.40(GL.1)b1 (July 26, 2002)

[EHHANCEMENT] Extend Model Name From Prestige 650H to Prestige 650H-17.

[BUG FIX] HTP Ethernet External Loop Back Test Failed Cause by Reading Non Exist MII Register.

[EHHANCEMENT] Add CI Command “wan adsl rsploss 0/1” Response to Signal Loss, Default is Not to Response to Signal Loss.

[BUG FIX] ATM RX ISR

Symptom: Use DLS400 to inject noise, and then use AX4000 to send downstream packets to ADSL then system will get exception error

Cause: In ATM SAR Rx ISR, system doesn't check BAD packets (BAD_BIT)

[BUG FIX] Clear MBUF Flag after the usage for hwsar vc_number

[BUG FIX] Plug/Unplug Exception

[BUG FIX] ARP Bug

Symptom: user can't access to lan ip of the router from wan

Cause: Modify res_arp() in arp.c

[BUG FIX] SMT Menu Hang-Up

Symptom: The System Hang-Up

Cause: Users Press Enter too long

[BUG FIX] Dying Gasp Crash Debug Area

Symptom: The Debug Area is Damaged

Cause: Dying Gasp ISR Needs More Time Writing to Flash but Power is Drop.

Modification in 3.40(GL.0)b4 (July 9, 2002)

PPPoE Light always on when connected.

Change Modem Code 4.9.2

Update Default ROM File and Set Ctrl-E Registers Value 0xC3 to 0xFD, and 0xC4 to 0xFE

Add Feature Static DHCP Assignment by MAC Address.

Merge Bug Fix for MPOA Broadcast Init.

Merge Bug Fix for ATM Init.

Bug fixes:

Known bugs:

1. Manufacture Data in Bootbase

ZyNOS Version	: V3.40 (GL.1) 07/29/2002 11:00:00
Bootbase Version	: V1.04 5/13/2002 18:55:09
Vendor Name	: ZyXEL Communications Corp.
Product Model	: Prestige 650H-17
ZyNOS Code Model	: P650H-17 ATU-R
HTP Code Model	: HTP_P650H V 0.0
ZyNOS ROM address	: bfc20000
System Type	: 6
MAC Address	: 00A0C5XXXXXX
Default Country Code	: FF
Boot Module Debug Flag	: 01
RomFile Version	: 0F
RomFile Checksum	: 1dd6
ZyNOS Checksum	: 4cb2
SNMP MIB level & OID	: 060102030405060708091011121314151617181920
Main Feature Bits	: 86
Other Feature Bits	:
	92 0D 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 40 00 00

1. Default ROM File Value Setting

- Menu 1: General Setup

<p>Menu 1 - General Setup</p> <p>System Name= ? Location= Contact Person's Name=</p> <p>Route IP= Yes Bridge= No</p> <p>Press ENTER to Confirm or ESC to Cancel:</p>

- Menu 3 - Ethernet Setup

<p>Menu 3 - Ethernet Setup</p> <p>1. LAN Port Filter Setup 2. TCP/IP and DHCP Setup</p> <p>5. Wireless LAN Setup1. LAN Port Filter Setup</p> <p>Enter Menu Selection Number:</p>

- Menu 3.1 - LAN Port Filter Setup

<p>Menu 3.1 - LAN Port Filter Setup</p> <p>Input Filter Sets: protocol filters= device filters= Output Filter Sets: protocol filters= device filters=</p> <p>Press ENTER to Confirm or ESC to Cancel:</p>

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

```
Menu 3.2 - TCP/IP and DHCP Ethernet 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= IGMP-v2
  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= ISP
Encapsulation= PPPoE
Multiplexing= LLC-based
VPI #= 1
VCI #= 32
ATM QoS Type= UBR
  Peak Cell Rate (PCR)= 0
  Sustain Cell Rate (SCR)= 0
  Maximum Burst Size (MBS)= 0
My Login= 1
My Password= *****
Idle Timeout (sec)= 0
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. ISP (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= ISP          Route= IP
Active= Yes                 Bridge= No

Encapsulation= PPPoE        Edit IP/Bridge= No
Multiplexing= LLC-based     Edit ATM Options= No
Service Name= any

Incoming:                   Telco Option:
  Rem Login=                Allocated Budget(min)= 0
  Rem Password= *****    Period(hr)= 0
Outgoing:                   Schedule Sets=
  My Login= 1               Nailed-Up Connection= No
  My Password= *****     Session Options:
  Authen= CHAP/PAP          Edit Filter Sets= No
                             Idle Timeout(sec)= 0

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 11.5 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 11.6 - Remote Node ATM Layer Options**

```

Menu 11.6 - Remote Node ATM Layer Options

VPI/VCI (LLC-Multiplexing or PPP-Encapsulation)

VPI #= 1
VCI #= 32
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 12 - Static Route Setup**

```

Menu 12 - Static Route Setup

1. IP Static Route
3. Bridge Static Route

Please enter selection:

```

- **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 12.3 Bridge Static Route Setup**

Menu 12.3 - Bridge Static Route Setup

1. _____
2. _____
3. _____
4. _____

Enter selection number:

- **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 15.2 - 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 15.2.1 - 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              _____      7              _____
2              _____      8              _____
3              _____      9              _____
4              _____     10             _____
5              _____     11             _____
6              _____     12             _____

Enter Filter Set Number to Configure= 0

Edit Comments= N/A

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:                00 : 12 : 37
New Time (hh:mm:ss):        00 : 12 : 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:

```

- Menu 24.11: Remote Management -- Remote Management Control

```

Menu 24.11 - Remote Management Control

TELNET Server:
  Server Port = 23                Server Access = ALL
  Secured Client IP = 0.0.0.0

FTP Server:
  Server Port = 21                Server Access = ALL
  Secured Client IP = 0.0.0.0

Web Server:
  Server Port = 80                Server Access = ALL
  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
-----
1      _____
2      _____
3      _____
4      _____
5      _____
6      _____

Policy Set #      Name
-----
7      _____
8      _____
9      _____
10     _____
11     _____
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
-----
1      _____
2      _____
3      _____
4      _____
5      _____
6      _____

Schedule Set #      Name
-----
7      _____
8      _____
9      _____
10     _____
11     _____
12     _____

Enter Schedule Set Number to Configure= 0

Edit Name= N/A

Press ENTER to Confirm or ESC to Cancel:n

```

- Menu 26.1 - Schedule Setup

Menu 26.1 Schedule Set Setup

Active= Yes
 Start Date(yyyy-mm-dd)= 2000 - 01 - 01
 How Often= Weekly
 Once:
 Date(yyyy-mm-dd)= N/A
 Weekdays:
 Sunday= Yes
 Monday= Yes
 Tuesday= Yes
 Wednesday= Yes
 Thursday= Yes
 Friday= Yes
 Saturday= Yes
 Start Time(hh:mm)= 00 : 00
 Duration(hh:mm)= 23 : 59
 Action= Forced On

Press ENTER to Confirm or ESC to Cancel:n

- ```

ras> sys view autoexec.net
 ppp ipcp compress off
 sys wdog sw on
 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
 sys quick enable
 wan adsl rate off

```