

ZyXEL Prestige 841C VDSL-LT Modem

Version 1.00(DH.4) Release Note

Date: JUL. 25, 2005

Prestige 841C is a very small VDSL-LT Modem. Although it do not have any remote management capability, and it do not have any GUI for configuration and monitoring. It can provide a low-cost VDSL peer to peer connection. It can extend Ethernet to about 1.5km. It can also provide about 15M bits under 1KM @ AWG24 twist pair.

Supported Platforms

This F/W is only executed on Prestige 841C VDSL-LT Modem only.

Change History:

1.00(DH.4) (2005/7/25)

1. Fix bug: remote f/w upgrade will trigger watch dog timer timeout.

1.00(DH.3) (2005/2/14)

1. Standard release for P841C.
2. Fix bug: upgrade new f/w will erase setting.

1.00(DH.3)b4 (2005/2/3)

1. Fix bug: upstream hang lock problem.

1.00(DH.3)b3 (2005/2/1)

1. Fix bug: Remote link status will become 10Half when remote Lan reconnected.
2. [Note: After modifying NT side Ethernet speed, user have to reset vdsl link to make this setting work.](#)

1.00(DH.3)b2 (2005/2/1)

1. Fix bug: Link status will become 100Half when VDSL linkup.
2. Fix bug: Copyright change from 2001-2004 to 2001-2005

1.00(DH.3)b1 (2005/1/25)

1. Fix bug: VDSL traffic hang lock problem.
2. New Feature: Change CPU type from ATMEL T89C51RD2 to ATMEL AT89C51RD/ED2
3. New Feature: Change XMODEM code

1.00(DH.2) (2002/12/23)

1. Fix bug: P841c may hang after 2 weeks of operation.
2. New Feature: Implement the Altima AC101L PHY chip workaround for P841-25.
3. New Feature: Enable Auto MDI/MDIX support for P841-25. (P841 do not have this feature, only P841-25 can do this)
4. New Feature: Add super-reset. In booting process, P841C will wait 2 seconds. If CTRL-Z is pressed during this period, P841C will erase all settings to default.

1.00(DH.1) (2002/7/30)

1. New Feature: Improve VDSL Rate adaptation.
2. Fix bug: VDSL Driver and VDSL Modem Firmware: Change VDSL Modem code from version 0x50 to 0x56, that will fix a bug that VDSL modem will stop working (VDSL is active, but packet

can not pass) after a period time of continuous usage. And, in this version, P841C will force upgrade the modem code in P841 if the modem code version in P841 is earlier than version 0x56). So, after P841C firmware upgrade is complete, and default link is up, it will takes extra 2.5 minutes to upgrade the firmware in remote P841. After this firmware upgrade complete, it will continue link to target rate.

3. Fix bug: VDSL Modem's Ethernet Full Duplex Flow Control: In pervious version, it does not work normally. Now it works fine.
4. Change the meaning of "enet fctrl" command setting. Original, it means only full duplex flow control setting. Now, it means flow control setting (no matter half duplex or full duplex).
5. Fix bug: If password is set to empty (only press ENTER in password setting), and when P841C is power up, press ENTER can not login.
6. Fix bug: If VDSL disconnect during the time that driver is writing the VDSL parameters to NT, it may take several minutes to complete writing. Now, we will check the link status when writing the VDSL parameters to NT. So, the driver will react this faster.
7. Fix bug: Enhance the disconnect detection. It will make VDSL disconnect detection act better.
8. Add Prestige 842 support (Prestige 842 is not released yet, but it will be released soon).

1.00(DH.0)c0 (2002/4/18):

First Public Release.