



Firmware Release Note

Prestige 645M-A1
Standard Version

Release 3.40(KY.1)C0

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Author: Ryan Jiang

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Supported Platforms:

Samsung 8947+9850+8951

Versions:

ZyNOS Version: ZyNOS Version: V3.40(KY.1) | 6/18/2003 17:42:50

Bootbase Version: V1.07 | 5/21/2003 22:07:38

Notes:

Main features:

- ADSL

- Support Multi-Mode standard (ANSI T1.413, Issue 2 ; G.dmt(G.992.1); G.lite(G.992.2)).
- 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)
- Support VC-based and LLC-based multiplexing
- F4/F5 OAM

- Hardware

- One 10/100M Ethernet UTP ports for LAN connection

2. Modem code version: SAMSUNG, DSP Version 109.030225

3. Modem Setting :

ADSL Standard	Multi
MinSNRMargin	6 db
TCM mode	ON
FEC R=2 mode	OFF
Tx Power attn	Normal db

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Known Issues:

Modification in 3.40(KY.1)b3 (June 11, 2003)

1. Update Bootbase to KY1.07.
2. Update DSP code to 109.030225.
3. Update S5N8950 ADSL Debug Information to version 4.02.
4. Performance enhanced (about 20% in throughput test) by decrease SDRAM delay timer.
Please also upgrade Bootbase to KY1.07 when upgrade Ras to 3.40(KY.1)b3.

Modification in 3.40(KY.0)b4 (March 31, 2003)

1. [BUG FIXED]
Symptom: Wrong Vendor ID display (first 3 Bytes) after link up.
Condition:
Solution: Fix this bug in s5N8950 driver.
2. [FEATURE ENHANCE]
Add CI CMD – “WAN ADSL DETXATTEN [1/2/4]” to decrease Tx power atten.
Ref : Tx Power attn(1,2,4): 1 : 0dB, 2 : -2dB, 4 : -4dB, (default 1).

Modification in 3.40(KY.0)b3 (March 24, 2003)

1. [BUG FIXED]
Symptom: Configure one RN will clear the connection of other RNs.
Only link up/down or system reset can recover it.
Condition: In Multi-RN configuration.
Solution: Fix it in S8947 SAR driver.
2. [BUG FIXED]
Symptom: Configure two RN with the same VPI/VCI, the system will not display
“VPI# and VCI # is duplicated with another remote node” error msg.
Condition: In SMT 11 of pure Bridge type modem.
Solution: Fix the return value of remoteNodeCheck function to fix it.
3. [BUG FIXED]
Symptom: In the case that DSP goes to an endless loop state.
Condition:
Solution: Update DSP to 109.030306 to recover itself, and continue the ADSL operation from the beginning.
4. [BUG FIXED]
Symptom: In the case that Host interface problem occurs
Condition:
Solution: Update DSP to 109.030306 to recover itself, and continue the ADSL operation from the beginning.

Modification in 3.40(KY.0)b2 (March 5, 2003)

1. [BUG FIXED]
Symptom: Sometimes the DSLAM will not receive packet because the TC of S5N8950 can't receive data from UTOPIA. This problem occurred when S5N8947 SAR recover function didn't execute.
Condition: Happens only when configuring multiple PVC in bridge mode and high link rate.
Solution: Change TC init function call of S5N8950 to the front of S5N8947 SAR recover function.
This change can make TC init execute before SAR init.