



MEDIATEK

Linux Soft AP Driver Release History

MT7628

Version: 0.4
Release date: 2015-02-16

© 2014 MediaTek Inc.

This document contains information that is proprietary to MediaTek Inc.

Unauthorized reproduction or disclosure of this information in whole or in part is strictly prohibited.

Specifications are subject to change without notice.

MTK CONFIDENTIAL

Document Revision History

Revision	Date	Author	Description
0.1	2014-09-16	Hughes Kang	Initial release v4.0.1.0
0.2	2014-12-17	Hughes Kang	Add v4.0.1.1 history
0.3	2015-01-15	Hughes Kang	Add v4.0.1.2 history
0.4	2015-02-16	Hughes Kang	Add v4.0.1.3 history

MTK CONFIDENTIAL

Table of Contents

Document Revision History	3
Table of Contents.....	4
1 MT7628 Soft AP driver release history.....	5

MTK CONFIDENTIAL

1 MT7628 Soft AP driver release history

[V4.0.1.0]

1. Remove unused EXT_CMD_AP_PWR_SAVING_CAPABILITY command function call.
This can save 3 sec during initialization sequence.
2. Bug fix:
 - (1)Retry of MAC layer fragments dropped as "duplicate frames"
 - (2)Occasionally run into dead lock while switch channel.
 - (3)WDS unstable throughput when running as WDS Repeater Mode.
 - (4)Race condition between register access.
3. Add Makefile and Kconfig for compiling 7628+7612 concurrent AP.
4. Since MT7628 will not use eeprom mode and efuse mode,
Remove eeprom mode and efuse mode of the 1st WiFi interface in configuration menu.

[V4.0.1.1]

1. Fix firmware load failed issue when interface down/up
2. Reduce test time on ATE.
3. Correct rate tuning issue.
4. Turn off EDCCA by default. Turn it on when country region is CE.
5. Firmware: fix SIFS timing
6. Fix issue: MAC1200 BCM 3x3 11ac PCIE Card connect to MT7628 fail.
7. Fix issue: Class2 Error Handler didn't work
8. Fix TXCoherent happened due to sw cpu index incorrect (tx done tasklet de-q and scan resume de-q race condition)
9. Fix issue: skb_under_panic in kernel 3.10
10. Support MT7688

[V4.0.1.2]

1. Fix issue:
 - (1)Driver function abnormal while doing site survey and play VLC at the same time.
 - (2)A disconnection of repeater client causes the disconnection of apcli.
 - (3)Memory leakage in sending mcu command.
 - (4)WPS PBC of apcli fails at the first time.
 - (5)Connection issue of AIR play function
2. Support Passpoint Release 2

[V4.0.1.3]

1. Fixed issues:
 - (1) Apcli/Repeater mode, Rx is sometimes disabled after connected to a root AP.
 - (2) ICV error causes disconnection with some AP at apclient/repeater mode.
 - (3) Correct CR setting for Carrier Detection (Japan).
 - (4) Fix an length error in the HT Extended Capability information element, which may cause some STAs fail to validate the beacons.
2. Sniffer mode support (under AP mode).
3. Band Steering support.