Product: RTL8188F SDIO Software Package - Linux Driver
Version: v5.11.6.0-2-gb9aa73b62.20211117

Release History:

v5.11.6.0-2-gb9aa73b62.20211117	1. Fix memory copy issues 2. Fix potential bug that last 4-byte of RX frame body missing 3. Fix RX frame drop after WOWLAN caused by not updating reorder window
v5.11.5.0-2-g5edf777a0.20210716	1. Fix AMSDU and fragment Design flaw 2. Fix MP mode continuous Tx for adjust CCK rate 3. Support WOWLAN GTK offload 4. Support active TPC report 5. SDIO release IRQ when IPS 6. Explicitly yield CPU in RXDMA idle polling loop
v5.11.3-29-g5a946024c.20200901	1. Support Android 10 2. Support WPA3 Personal 3. Support WPA3 Enterprise 4. Support Agile Multiband (MBO) for STA mode 5. Support Hostapd ACS (CONFIG_RTW_HOSTAPD_ACS) 6. Support manual TPC 7. Support RX recvbuf aggregation 8. Fix STA mode 4-way handshake fail when AP resends EAPOL 3/4 9. Fix WOWLAN may cause MIC error 10. Enlarge default max txpower of CCK 5.5M, 2M, 1M from 16 dBm to 18, 19, 20 dBm
v5.7.10_36835.20200519	1. Fix Kr00k issue 2. Support kernel up to 5.4 3. Improve SDIO interrupt handler efficiency
v5.7.9_35795.20191128	1. Hotfix P2P NoA buffer potentially overflow 2. Fix Adaptivity blocks scan issue 3. Fix can't trigger disconnect while change of AP channel when scan triggers frequently 4. Fix SSID of beacon can't follow hidden SSID mode before second issue_beacon() is called 5. Fix non-target(w/o scan_ssid) scanned network can't be updated with current IE after changing to hidden 6. Support ap_isolate=1(p2p_intra_bss=0) option 7. Add DFS triggered by scan with interference info 8. IOT: Degrade bandwidth to HT20 if AP declare HT40 without 2nd channel setting
v5.7.8_34044.20190614	1. Support kernel up to 5.1 2. Improve TX path efficiency 3. Improve long distance performance
v5.3.16_32695.20190327	1. Fix wrong internal band status
v5.3.15_32624.20190320	1. Support Android 9.0

	2. Fix no DIG when enter LPS_LCLK
v5.3.12_28613.20180703	1. Support Android 8.0 2. Support kernel up to 4.14 3. Support 802.11s MESH mode
v4.3.24.12_27796.20180510	1. Disable CONFIG_TRAFFIC_PROTECT by default 2. Remove unnecessary WOWLAN wakelocks 3. Don't change TX P2P_INVIT_RESP status code NO_COMMON_CHANNEL to UNKNOWN_GROUP
v4.3.24.11_26052.20180108	1. Fix potential bug that some workitem callbacks run after driver deinit 2. Fix potential MP mode racing problem 3. Fix potential CFG80211 warning calltrace of connect result 4. Support kernel up to 4.9
v4.3.24.10_24994.20171103	1. Fix AES BMC RX issue caused by fixing of WPA2 vulnerability
v4.3.24.9_24833.20171031	1. Fix WPA2 vulnerability - key reinstallation attacks(KRACKs) 2. Fix can't enter IPS when if-down before enter IPS
v4.3.24.8_22657.20170607	1. Revert SDIO interrupt setting and handle flow back to v4.3.24.4_18988.20160812 to prevent RX hang issue caused by SDIO IOT problem on some platforms
v4.3.24.7_21113.20170208	1. Fix bug of system crash when sdio_claim_irq() fail in driver probe callback 2. Add customer string support
v4.3.24.6_20019.20161107	1. Fix compile warning/error of "RT_ASSERT_RET" redefined of v4.3.24.5_19847.20161102
v4.3.24.5_19847.20161102	1. Fix bug of wrong eFuse physical available size estimation - part2 2. Fix read file failure when kernel version >= 4.1 3. Fix compile error when CONFIG_DEBUG is not defined 4. Improve UP-link and BI-direction throughput
v4.3.24.4_18988.20160812	1. Fix bug of DIG disabled after SCAN backop
v4.3.24.3_18928.20160808	1. Fix bug of wrong eFuse physical available size estimation 2. Fix bug of efuse_map and macaddr file mechanism can't recognize format error 3. Fix bug of IQK fail when CCK packet TX 4. Fix bug of MP mode DM functions 5. Fix bug of channel 14 CCK power tracking 6. Fix bug of CCK/OFDM TX power limit for RF bandwidth > 20MHz 7. Support thermal K 8. MP mode add High Power Stress 9. Force enable TX power by rate by default 10. REALTEK_CONFIG_PATH doesn't append IC name folder by default
v4.3.24.2_18021.20160601	1. Fix eFuse write bug of v4.3.24.1_17842.20160523
v4.3.24.1_17842.20160523	1. Fix bug of potential RF register read racing 2. Fix bug of card disable HCI resume issue 3. Fix bug of mp_get_tx_power command

	4. Fix bug of MP mode TX power tracking
	5. Fix bug of adaptivity fail after IPS enter and leave
	6. Fix bug of 32K clock issue
	7. Fix bug of RX long latency when non-continuous retransmission
	8. Fix bug of RX AMSDU ICV error when HW decrypt
	9. Fix bug of RX RSSI abnormal
	10. Fix potential suspend timeout caused by query free page take too long
	11. Fix bug of duplicate TX thread after WOWLAN
	12. Fix bug of in-band WOWLAN
	13. Support FCC channel 12, 13
	14. 11n, WPS 2.0, Wi-Fi Direct, PMF logo pre-test
v4.3.24_15589.20151023	1. First formal release version

Todo List:

1. Miracast logo pretest
2. TDLS logo pretest

Description:

- This software package could be adopted for Realtek RTL8188F SDIO WLAN series hardware on Linux based platforms.

Software Package Feature:

- IEEE 802.11b/g/n Wi-Fi compliant
- 802.1x, WEP, WPA TKIP , WPA2 AES/Mixed mode for PSK and TLS (Radius) and WPA3
- WPS - PIN and PBC Methods
- STA mode, Soft AP mode, 802.11s MESH mode
- Wi-Fi Direct, Miracast

Hardware Supported:

- RTL8189FTV
- RTL8189FTV-VQ0

Platform Supported:

- Linux (kernel 2.6.24 ~ 5.4)
- Android 1.6 ~ 2.3, 4.0 ~ 10.x