

Product: RTL8852B PCIe Wi-Fi Software Package - Linux Driver
Version: v1.19.7.0.1-18-gf73c05909.20231121

Release History:

v1.19.7.0.1-18-gf73c05909.20231121	1. Refine for Tx in open environment 2. Fix MP issues 3. Fix fail to load external power table 4. Support RFKILL to control WiFi on/off through WL-DIS pin state 5. Fix 11ac/11ax Logo fail 6. Support reduce memory level setting 7. Fix WPA3 Auth fail handling 8. [Android] Fix scan random mac address cannot receive probe response
v1.19.7.0-18-gee24b6aac.20230614	1. The first version of v1.19 formal release package 2. Support DFS Master 3. Support Manual TPC 4. Support Andriod 13
v1.15.10.0.9-13-ge9e9812c4.20230203	1. Fix BT coexistence issue 2. Fix phl_sta NULL issue 3. Correct ioctl SIOCDEVPRIVATE for kernel >= 5.15 for virtual interface 4. Refine for suspend/resume
v1.15.10.0.9-5-g2f73058d7.20221206	1. Prohibit to use kernel API kernel_read for Android
v1.15.10.0.9-1-gee25045af.20221116	1. Support Linux kernel 5.18 2. Support manual TPC 3. Fix some MP issues 4. Refine for P2P connection 5. Refine for Adaptivity 6. Fix 802.11w bug 7. Fix WPA3 bug 8. Fix CMD DISP stuck issue 9. Fix 11ax WFA logo fail 10. Enable PHL Rx debug function 11. Don't send AMSDU for 802.11bga mode
v1.15.10.0.5-0-gfa2af07cf.20220503	1. Disable Power Saving 2. Enable STA mode scan backop mechanism 3. Fix soft lockup bug 4. Fix 4-byte unaligned register access 5. Reduce memory usage 6. Add memory pre-allocation mechanism 7. Support Linux kernel 5.17
v1.15.10.0.3-1-g97e4cca86.20220406	1. Add/fix some MP functions. 2. Watchdog refine for Power Saving 3. Fix unnecessary uncach memory allocation for PCIe Tx WD
v1.15.10.0.2-1-gef8cc86f5.20220223	1. Support Power Saving 2. Suppor dynamic Rx interrupt mitigation

v1.15.6.0.3-0-g44f578f0.20220107	1. Enlarge msg queue length for embedded platform 2. [BugFix][Watchdog] Limit set_timer in message completion 3. [BugFix][Android] Fix crash issue when disconnect on rmmod
v1.15.6.0.2-0-gac110bf5.20211029	1. First formal release driver and software package 2. Power Saving is not supported

Description:

Realtek provides the solution for WLAN in hardware and software. The software package could be adopted for Realtek RTL8852B PCIe WLAN series hardware on Linux based platforms.

Software Version:

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Hardware Supported:

- RTL8852BE

Software Package Feature:

- IEEE 802.11 b/g/n/ac/ax WiFi compliant
- 802.1x, WEP, WPA TKIP and WPA2 AES/Mixed mode for PSK and TLS (Radius)
- WPA3-SAE (Personal)
- WPS - PIN and PBC Methods
- IEEE 802.11b/g/n/ac/ax Client mode
 - Support wireless security for WEP, WPA TKIP and WPA2 AES PSK
 - Support site survey scan and manual connect
 - Support WPA/WPA2 TLS client
- Soft AP mode
- WiFi-Direct
- Miracast
- BT-COEXIST
- Power saving

Platform Supported:

- Linux (kernel 3.13 ~ 5.19)
- Android 4.4, 6.x, 7.0, 8.0, 9.x, 10, 11, 12 and 13

CPU supported:

- x86
- ARM
- MIPS