SQ66_WE__DS__R01_U_250812_02

Security patch

Android security patch updated :
2025-06-05
https://source.android.google.cn/docs/security/bulletin/2025-06-01?hl=zh-cn
2025-05-05
https://source.android.google.cn/docs/security/bulletin/2025-05-01?hl=zh-cn
2025-04-05
https://source.android.google.cn/docs/security/bulletin/2025-04-01?hl=zh-cn

New features

1. Add node to judge whether the battery supports external fuel gauge.
2. Add SSL/TLS certificate LPA-GMSA-cert.pem.
3. Add filter effects for rear camera video mode.
4. Set volume up + power key combination to mute incoming calls by default.
5. Add node to control USB input current.
6. Add fuel gauge status information interface in factory test mode (kernel modification).

Resovled issues

1. The four modes at the bottom of the camera support Chinese/English switching according to system language.
2. Enable fastboot unlock function for user builds when flashing GSI via GMS; support flash/unlock-2 commands.
3. Fix the issue that timezone cannot revert automatically after manual timezone configuration.
4. Merge ravelin-pm7250b.dtsi device tree file.
5. Display scan head model 2030W in the 1261 engineering code menu.
6. Fix automatic timezone update failure with WiFi+GPS.
7. Change LpaService from pre-installed to post-boot installation.
8. Identify and distinguish 2030W / 2030S.HS7 scan heads based on OTP information; fix the failure of scan head re-enable after setting only aiming light.
9. Upgrade USDK to V13.2.04.
10. Update ustage.apk to v1.4.4.
11. Fix device crash issue: when viewfinder is enabled and scan mode set to Around Aimer, scan head emits light but fails to decode.

12. Make getMeid() return IMEI for SOTI.
13. Fix proximity sensor issue: during call under strong light, screen turns off when approaching but fails to light up when moving away. Adjust PSensor threshold and algorithm to prevent false auto-calibration.
14. Add power key debounce logic: avoid accidental power-on by tapping near power key when device is powered off.
15. Update factory test FactoryKit_V1.13.20250526.01, add fuel gauge status information.
16. Add model judgment for UFS and local/sideload OTA upgrade; prevent cross-model firmware flashing.
17. Update OSUpdate.apk to V2.0.22.
18. Fix ScanWedge icon turning into robot icon after OTA upgrade from 0331_01.
19. New key mapping, fix ustage import/export key wakeup bug.
20. Upgrade ScanWedge to V2.1.21_20250612; set LOCAL_REPLACE_PREBUILT_APK_INSTALLED during system compilation.
21. Update keyremap to fix ustage PTT wakeup import/export failure.
22. Remove LOCAL_REPLACE_PREBUILT_APK_INSTALLED configuration for ScanWedge APK compilation.
23. Update ustage.
24. Add USB PL2303 and CH341 drivers.
25. Update WebViewGoogle to 137.0.7151.61.
26. Support model switching for switchable SKU builds.
27. Fix mismatch between version number read by calibration tool and version displayed on device.
28. Update init script: QDC522SPXFU60_BP01.011V05_Android13.0.0.01.011V04.
29. Modify proximity sensor parameters for high-brightness scenarios.
30. Fix occasional missing WiFi type icon at the bottom right of WiFi list entries.
31. Fix repeated alarm ringtone issue.
32. Fix gallery map popup stuck issue: popup remains after tapping "Show on map" and returning without selection.
33. Fix gallery crash caused by null pointer exception when viewing photos sorted by location.
34. Add debounce time configuration for key_power.
35. Update fingerprint to align with 2025-06 SMR.
36. Simplify network mode options.
37. Fix stuttering during Bluetooth scanning page.
38. Optimize low battery reminder.
39. Optimize "Connected, not charging" issue when booting with USB cable inserted during software test.
40. When I2C communication returns -1 or 0, report the last valid battery health value by default.
41. Update Intelli Charge notification UI.
42. Reduce fuel gauge polling interval from 10s to 30s.
43. Update Honeywell libHSMDecoderAPI.so to version 2025.07.1204; fix far-focus image data error for 6803 scan head.

44. Assign Ethernet MAC address based on SN.
45. Add serialno cmdline support.
46. Battery health display 0% when battery health <95%.

Known issues

None