# SQ66_WE__DS__R01_U_241231_01

## Security patch

Android security patch updated :
2024-08-05
https://source.android.com/docs/security/bulletin/2024-08-01
2024-07-05
https://source.android.com/docs/security/bulletin/2024-07-01
2024-06-05
https://source.android.com/docs/security/bulletin/2024-06-01

## New features

1. Increased USB current limit threshold at 55°C to meet customer high-temperature aging test requirements.
2. Updated HIDL service interface definition for SE2030W scanner; automatically copies and matches libUBXKil.so and libusensor.so library files for different projects.
3. Added standard Android WiFi RSSI judgment rule, controlled by system property persist.sys.urv.default.rssi.
4. Added OEM node for power key debounce interval to prevent multiple triggers from a single press.
5. SQ66 added high-temperature protection function: automatic power-off at 68°C to improve thermal safety.

## Resovled issues

1. Fixed Ethernet sharing status error: the Ethernet sharing switch was grayed out and displayed off when re-entering the settings page after being enabled.
2. Optimized dock Ethernet connection logic: the device can automatically recover Ethernet connection after re-placing on the dock without manually toggling the HOST switch.
3. Optimize scanner clipboard experience: remove the pop-up paste/share dialog after the scanner reads clipboard content.
4. Fixed ineffective boot animation configuration API.
5. Removed toast prompt after clipboard pasting for cleaner user interaction.
6. SQ66: Optimized HS7 scanner working mechanism to completely resolve WiFi signal interference.
7. Fixed front camera thumbnail not refreshing after mirror mode is enabled.
8. Adjusted the sorting rule for local photo albums in Gallery.

9. Reduced RX playback gain for VoLTE hands-free calls to eliminate audio distortion and sound breakage.
10. Integrated system overclocking patch to improve overall device performance.
11. Optimized USB2.0 Host eye diagram parameters to enhance USB transmission stability and compatibility.
12. Fixed failure to install APK files stored in the device download directory.
13. Optimized low-voltage battery protection logic to enhance stability under low battery conditions.
14. Optimized system time update logic: write system time only once after boot completion to prevent time fallback to build time after reboot.
15. Optimized app lock API architecture: moved global variables and methods into inner classes with on-demand initialization, and improved input method pop-up behavior.
16. Updated Diag.cfg configuration to enable 5G air interface log capture by default for network issue analysis.
17. Engineering code (+-+-++--) optimization: automatically set UE to DATA CENTRIC mode when PS Only mode is enabled.
18. Added manual MBN reload button on the device info page of engineering menu.
19. GMS power optimization: adopted iptables rules and GMS app blacklist strategy to reduce power consumption when connecting WiFi hotspot with screen off.
20. Added battery firmware version display in factory test fuel gauge page for production verification.

# Known issues

1. Automated factory test for headset keys cannot pass.
2. Incorrect Bluetooth address displayed on the first read by calibration tool; the value becomes normal after device reboot.
3. System time reverts to firmware build time after device restart.
4. Slightly higher current consumption during Wi-Fi downloading.