SQ66_WE__DS__R01_U_250331_03

Security patch

Android security patch updated :
2024-11-05
https://source.android.com/docs/security/bulletin/2024-11-01
2024-10-05
https://source.android.com/docs/security/bulletin/2024-10-01
2024-09-05
https://source.android.com/docs/security/bulletin/2024-09-01

New features

1. Added Smart Charging APK.
2. Adapted battery temperature reading for AnTuTu, added property for control.
3. Updated factory test configuration and added eSIM test items.
4. Added I2C recovery mechanism: manually pull down GPIO when I2C bus is locked with error, to avoid fuel gauge communication failure and stale battery data (kernel modification).

Resovled issues

1. Fixed the issue that overseas time zones could not be set.
2. Updated factory test tool FactoryKit_V1.13.20241225.02, resolved the failure that headset key test cannot pass automatically.
3. Fixed the bug that static IP settings would be lost after device reboot when switching from static IP to DHCP mode via docking station.
4. Fixed the issue of 2030W scan head: under long-press trigger mode, the aiming light fails to turn on when pressing the scan button after decoding.
5. Fixed incorrect Bluetooth address displayed on the first read in calibration tool.
6. Added OEM node for power key debounce interval to solve multiple triggers caused by single power key press.
7. Supported Chinese display for camera mode.
8. Enterprise Desktop permission control: synchronized system restriction properties. Disable default app modification, block home screen entry and open button on app info page.
9. Optimized VoLTE receiver and hands-free audio reception, improved noise reduction performance.
10. Added logic to write time upon receiving boot broadcast after reboot, fixing time rollback to build time after restart.

11. Optimized app lock API: moved global variables and methods into inner class with on-demand initialization; optimized auto popup of input method and other interactions.
12. Added node to control whether to use GPIO forced I2C reset function.
13. Charging indicator turns green when battery reaches 100%.
14. Charging logic optimization: when chg_en is set to 0, full state switches to discharging.
15. WiFi download current optimized (Test value: 596.7mA / 587.3mA).
16. Fixed boot wizard vulnerability: added barcode verification restriction to prevent skipping the boot wizard and entering the system by scanning any barcode.
17. "APK/Application version upgrade:

- EnterPriseModelLauncherV1.9.6.apk → V1.9.6
- ScannerTool.apk → V1.0.241126
- Appmarket.apk → V1.3.6
- UMS → V2.9.6
- OSUpdate → V1.7.1"

18. "User build configuration adjustments:

- Enable serial port log output.
- Remove adb field from sys.usb.config.
- Disable OTA firmware upgrade for fuel gauge."

Known issues

1. eSIM occasionally shows notready status.
2. NFC status may become inconsistent randomly after factory data reset and reboot.