



Release Notes for Zebra Android Oreo 02-32-04.00-ON-U23-STD Release (Non-GMS)

Highlights

The details of the Android NGMS Oreo LifeGuard release 02-32-04.00-ON-U23-STD that covers the family of products including TC51, TC56, TC70x, TC75x, MC3300, MC3300R and VC80x. Please see, Device Compatibility under Addendum Section for more details.

LifeGuard patches are cumulative and include all previous fixes that are part of earlier patch releases.

Software Packages

Package Name	Description
ATLAS_DELTA_UPDATE_02-32-04.00-ON-U23-STD.zip	LG Package Update

Security Updates

This build is Compliant with to [Android Security Bulletin](#) of October 01 2021.

Cellular carrier supported

AT&T, Verizon Wireless, Sprint and Telstra.

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	02-32-04.00-ON-U23-STD
Android Version	8.1.0
Security Patch level	October 01, 2021
Linux Kernel	3.10.84
Component Versions	Please see Component Version under Addendum section

LG U23 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U23-STD.zip (NGMS)
 - Updated below mentioned components:
 - Android security patch level: October 01, 2021.
 - Scanning Framework - 23.3.8.1
 - MXMF - 10.3.0.26
 - OSX - QCT.81.8.15.0
 - WiFi - FUSION_BA_2_11.1.0.0015_O
 - Radio: BA_2_11.1.0.011_O
 - Application: BA_2_11.1.0.006_O
 - Middleware: BA_2_11.1.0.008_O
 - Firmware: w|0: Aug 27 2021 14:25:37 Version 7.35.205.8 (r) FWID 01-aa37d094
 - PTT Express - 3.1.54
 - Baseband - ATLAS-W210918A-015.2-00059.0
 - **New Features**
 - Added BLE battery support on TC5X.
 - **Resolved Issues**
 - Added fix for multiple vulnerability issues with respect to Fragmentation and Forging attacks.
 - SPR41187 - Resolved an issue wherein customer installed Wavelink Velocity app was not persisting after reboot.
 - SPR43012 - Resolved an issue while Zero Touch Network Configure via .bin file.
 - SPR41354 - Resolved an issue wherein erroneous time was displayed when timezone was set to Sao Paolo.
 - SPR43455 - Resolved an issue wherein customer was unable to remap backspace key on MC33.
 - SPR43770 – Resolved an issue wherein device was rebooting during picking session.
 - SPR44336 - Resolved an issue wherein kernel exception with Avaya Equinox application was seen.
 - SPR44340 - Reduced LED brightness for torch mode to prevent device heating up with prolong torch usage.
 - SPR43890 - Added VoLTE support for EMEA carriers.
 - SPR43813 - Resolved an issue wherein device was dropping connectivity during roam.
 - SPR43867 - Added Code to Store and Restore VZW private APNs on BSP upgrade.
 - SPR41038 - Changed the Movistar and Telenor Apn settings.
 - SPR40819 - Resolved a issue wherein DW unable to decode Datamatrix code encoded by 7-bits ASCII.
 - SPR35982 - Resolved an issue where roaming failure is observed in disconnect suppression state.
 - SPR43810 - Resolved an issue wherein audio was not being heard intermittently in HS3100 headset.

- SPR41729 - Resolved an issue wherein NFC intermittent write errors were seen after continuous writes.

LG U20 Updates

❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U20-STD.zip (NGMS)

○ Updated below mentioned components:

- Android security patch level: April 05, 2021.
- MXMF - 10.3.0.24
- OSX - QCT.81.8.14.1
- WiFi - FUSION_BA_2_11.1.0.0013_O
 - Radio: BA_2_11.1.0.009_O
 - Application: BA_2_11.1.0.005_O
 - Middleware: BA_2_11.1.0.007_O
- Zebra Volume Control (ZVC) - 2.3.1.12
- Webview - 89.0.4389.90

○ Resolved Issues

- Fixed an issue where wlan firmware failed to forward packet to driver.
- Fixed an issue where CAC configuration was not working.
- Added enhancement to reachability feature in disconnect and low RSSI scenario.
- SPR41848 - Resolved an issue where fusion advanced logs running after enterprise reset.
- SPR41872 - Resolved an issue wherein the device processes deauth from unconnected AP and failed to add FT RIC IE during reassociation.
- SPR41841 - Resolved an issue wherein Keyboard Audible Feedback was not visible on certain MC33 SKUs.
- SPR41001 - Resolved a issue wherein MC33 scanner stops working during the work shift.
- SPR40454 - Resolved an issue wherein high failure rate of read/write operation by NFC tag observed.
- SPR40388 - Resolved an issue wherein VC80x ignition shutoff countdown does not reset when ignition turned back on.
- Resolved an issue wherein device recovers from faulty network conditions.
- Added support to collect Firmware Logs when verbose logging is enabled.

LG U14 Updates

❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U14-STD.zip (NGMS)

○ Updated below mentioned components:

- DataWedge - 8.2.211
- EMDK - 9.0.3.3003
- MXMF - 10.3.0.18
- OSX - QCT.81.8.13.0
- WiFi - FUSION_BA_2_11.1.0.0010_O
 - Radio: BA_2_11.1.0.007_O
 - Middleware: BA_2_11.1.0.006_O
- RxLogger - 5.4.16.0
- Stage Now - 5.1.0.1
- Zebra Software License Manager - 5.0.0
- OemInfo - 9.0.0.282

○ Resolved Issues

- SPR41561 - Resolved an issue for dialing 110 emergency number
- SPR41675 – Resolved an issue wherein HW supported bands for Sprint and TMO SIMs.
- SPR40440/39918 – Resolved an issue wherein Phone information was being displayed upon dialing UUID code.
- SPR40628 - Resolved an issue wherein Invalid rates set in CCX Rate IE of TSPEC leads to GTK Rotation failure.
- SPR40760 - Resolved an issue wherein the device losing WiFi connectivity while roaming in a suspended state.
- SPR40664 - Resolved an issue wherein the default touch calibration was incorrect on newly manufactured devices.
- SPR39982 - Resolved an issue wherein isVerifyAppsEnabled api was returning false though its enabled from settings.
- SPR36967/37284 - Resolved an issue wherein downgrading LG patch will cause "Error Zebra Plugin Stopped" popup.
- Advanced Fusion Log size restriction support is added.
- Added support to prevent application updates based on DisallowUpdateList.
- Fixed the issue of overriding all the long-range antenna SKU devices with Mid-range antenna type by RFID Service. Based on the device/antenna type RFID service is setting the antenna configurations in the RFID module accordingly.
- Added APIs to support clearing of all paired Bluetooth devices.
- Added support in OemInfo to allows customer applications and sideloaded applications to read BT MAC address.
- Added support for feature based Zebra Software Licensing support for Enterprise Browser.

LG U10 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U10-STD.zip (NGMS)
 - **Resolved Issues**
 - SPR41419 - Resolved an issue where TC51 performing Slow BLE connection.

LG U09 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U09-STD.zip (NGMS)
 - Updated below mentioned components:
 - OSx - QCT.81.8.12.13
 - Webview - 85.0.4183.101

LG U08 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U08-STD.zip (NGMS)
 - Updated below mentioned components:
 - MXMF - 10.2.0.25
 - DataWedge - 8.2.48
 - StageNow - 5.0.0.1
 - EMDK - 8.2.4.2804
 - Zebra Volume Control (ZVC) - 2.3.1.11
 - Zebra Software License Manager - 4.1.1
 - WorryFree WiFi Analyzer - WFW_BA_2_7.0.0.001_O
 - Fusion - FUSION_BA_2_11.1.0.005_O
 - Radio - BA_2_11.1.0.003_O
 - Application - BA_2_11.1.0.004_O
 - Middleware - BA_2_11.1.0.004_O
 - **Resolved Issues**
 - SPR39697 - Resolved an issue wherein touch gets auto released after 30 secs during long press event in TC51/56 device.
 - SPR40439 - Resolved an issue wherein the VC80X touch calibration does not persist after reboot.
 - SPR40308 - Resolved an issue where TC51 experiencing slow WiFi operation when BLE scan/transmit was running on same band.
 - Added support to change the device's domain selection like from voice to data and vice versa.
 - Added support for 802.11k Link and Beacon Measurement.

- Added Keyboard Audible Feedback feature support on MC33 and VC80x and ability to control volume of Keyboard Audible Feedback by MDM.
- Added feature in OemInfo to verify the signature and grant read data access to applications signed with Zebra OEM keys or MX Plugin CSP keys.
- Added feature in ZDS to receive southbound messages from FCM in Oreo devices.
- Added Support for Trusted Device Pairing and Single Pairing feature over Bluetooth.
- WFW Roaming and Voice Analysis enhancements.

LG U07 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U07-STD.zip (NGMS)
 - Updated below mentioned components:
 - MXMF - 10.1.0.47
 - DataWedge - 8.1.47
 - EMDK - 8.1.9.2709
 - OSx - QCT.81.8.12.6
 - WiFi Firmware - 7.35.205.8_20200421
 - WorryFree WiFi Analyzer - WFW_BA_2_6.0.0.002_O
 - **Resolved Issues**
 - SPR39491 - Resolved an issue wherein voice calls intermittently becomes one way when connected in a FT (802.11r) network.
 - SPR40260 - Resolved an issue wherein the QR Code provisioning from Built-In Scanner fails if the component name in QR code has implicit class name.
 - SPR40326 - Resolved an issue wherein Mobile Network menu gets disabled when the SettingsMgr CSP disabled Airplane mode.
 - WFW VoIP Analysis - SIP-RTP Enhancement.

LG U06 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U06-STD.zip (NGMS)
 - Updated below mentioned components:
 - Scanning Framework - 23.2.8.0
 - Digimarc library - 3.8.1the point
 - Baseband - ATLAS-W200720A-008.2-00033.0
 - Webview - 83.0.4103.83
 - **Resolved Issues**
 - SPR40075 - Resolved an issue wherein VC80x was rebooting randomly.

- SPR40250 – Resolved an issue wherein user was unable to power off the device by clicking on the Power menu item while automation suite was running on the device.
- SPR40284 - Resolved an issue wherein Pac Auto Proxy was not working at times.
- SPR37862 - Added support for “Send Characters as Events” option.
- SPR40347 – Resolved an issue wherein streaming of certain MP3 files used to fail.
- SPR39808 - Resolved an issue wherein timestamp was missing in DotCode scanned data.
- SPR38723 - Added support to limit the max log size in Rxlogger QxDM Plugin.
- SPR40197 - Updated WebView version to 83.0.4103.83.
- SPR40948 - Resolved an issue wherein error in barcode decoding with EMDK.

LG U03 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U03-STD.zip (NGMS)
 - Updated below mentioned components:
 - MXMF - 10.1.0.33
 - DataWedge - 8.1.38
 - EMDK - 8.1.6.2706
 - StageNow - 4.3.2.3
 - PTT Express - 3.1.46 (Added PTT Express A la Carte license)
 - Baseband - ATLAS-W200507A-007.3-00027.0
 - **Resolved Issues**
 - SPR39647 – Resolved an issue wherein CODE39 symbology was not being decoded.
 - SPR39819 – Resolved an issue wherein an additional "Enter key" was being added in the barcode data when Datawedge ADF rule for Line feed Action Key Char was set to "Send Char" 10.
 - SPR39855 – Resolved an issue wherein device was unable to connect to internet using WIFI hotspot on Telstra network.

LG U02 Updates

- ❖ ATLAS_DELTA_UPDATE_02-32-04.00-ON-U02-STD.zip (NGMS)
 - Updated below mentioned components:
 - Fusion - FUSION_BA_2_11.1.0.004_O
 - Radio - BA_2_11.1.0.002_O
 - Application - BA_2_11.1.0.003_O
 - Middleware - BA_2_11.1.0.003_O

- **Resolved Issues**

- SPR39492 - Resolved an issue wherein device failed to connect to internet when connected via iPhone Wi-Fi hotspot.
- SPR38712 – Resolved an issue wherein writing to ISO15693 NFC tags would fail.
- SPR39739 - Updated WebView version to 80.0.3987.8.
- SPR39933 - Resolved an issue wherein disabling of captive portal via StageNow was not working on TC75x HW ID 33 device.

Installation Requirements

- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)
- Download LG Package and Reset Packages (Optional)
- Device has at least:
 - Version 02-32-04.00-ON-U00-STD

Installation Instructions

Software update procedure

The installation instructions assume user has ADB installed on their PC (the adb drivers etc..) and user device has developer options enabled and USB debugging ON. Instructions on HOW TO enable ADB is also captured in the user guide. Please check following link for more information on installation and setup instructions.

- [Installation and setup instructions](#)

Addendum

Device Compatibility

This software release has been approved for use on the following devices.

[TC51 Home Page](#)

TC51	
Device Part Number	Operating System
TC510K-2PAZU2P-US	Android O
TC510K-2PAZU2P-A6	Android O
TC510K-2PAZU4P-US	Android O
TC510K-2PAZU4P-A6	Android O
TC510K-2HDZU2P-US	Android O

TC510K-2HDZU2P-A6	Android O
TC510K-2PAZU2P-IA	Android O
TC510K-2PAZU4P-IA	Android O
TC510K-2HDZU4P-US	Android O
TC510K-2HDZU4P-A6	Android O

TC70x Home Page

TC70x	
Device Part Number	Operating System
TC700K-02B22B0-A6	Android O
TC700K-02B24B0-A6	Android O
TC700K-02B22B0-US	Android O
TC700K-02B24B0-US	Android O
TC700K-02B22B0-IA	Android O

FIPS and TAA Compliant SKUS	
Device Part Number	Operating System
TC510K-2PAZU4P-FT	Android O
TC510K-2HDZU4P-FT	Android O
TC700K-02B24B0-FT	Android O

TC56 Home Page

TC56	
Device Part Number	Operating System
TC56CJ-2PAZU2P-US	Android O
TC56CJ-2PAZU2P-A6	Android O
TC56DJ-2PAZU2P-A6	Android O
TC56DJ-2PAZU2P-BR	Android O
TC56DJ-2PAZU2P-IA	Android O
TC56DJ-2PAZU2P-CN	Android O
TC56DJ-2PAZU2P-TN	Android O
TC56DJ-2PAZU2P-ID	Android O
TC56CJ-2PAZU4P-US	Android O
TC56CJ-2PAZU4P-A6	Android O
TC56DJ-2PAZU4P-A6	Android O

TC56DJ-2PAZU4P-BR	Android O
TC56DJ-2PAZU4P-IA	Android O
TC56DJ-2PAZU4P-CN	Android O
TC56DJ-2PAZU4P-TN	Android O
TC56DJ-2PAZU4P-ID	Android O

TC75x Home Page

TC75x	
Device Part Number	Operating System
TC75EK-22B22AB-US	Android O
TC75EK-22B24AB-US	Android O
TC75EK-22F22AB-US	Android O
TC75EK-22B22AF-US	Android O
TC75FK-22B22AD-A6	Android O
TC75FK-22B24AD-A6	Android O
TC75FK-22B22AD-BR	Android O
TC75FK-22B22AD-IA	Android O
TC75FK-22B22AD-ID	Android O
TC75FK-22B22AD-TN	Android O
TC75FK-22F22AD-A6	Android O
TC75FK-22B22AD-TW	Android O
TC75GK-22B22AD-A6	Android O
TC75GK-22B24AD-A6	Android O
TC75GK-22F22AD-A6	Android O

FIPS and TAA Compliant SKUS	
Device Part Number	Operating System
TC56CJ-2PAZU4P-FT	Android O

FIPS and TAA Compliant SKUS	
Device Part Number	Operating System
TC75EK-22B24AB-FT	Android O

VC80x Home Page

VC80x USA

	Device Part Number	Operating System
Warehouse	VC80X-10SSRAABBA-U	Android O
Freezer	VC80X-10FSRAABBA-U	Android O
Outdoor	VC80X-10SORAABBA-U	Android O
VC80x Rest of the World		
Warehouse	VC80X-10SSRAABBA-I	Android O
Freezer	VC80X-10FSRAABBA-I	Android O
Outdoor	VC80X-10SORAABBA-I	Android O
VC80x India		
Warehouse	VC80X-10SSRAABBA-IN	Android O
Outdoor	VC80X-10SORAABBA-IN	Android O

[MC3300 Home Page](#)

MC3300	
Device Part Number	Operating System
MC330M-RL3SA2RW	Android O
MC330M-RL2SA2RW	Android O
MC330M-RL40A2US	Android O
MC330M-RL3SA2US	Android O
MC330M-RL2SA2US	Android O
MC330M-SL3HA2RW	Android O
MC330M-SL2HA2RW	Android O
MC330M-RL4SA2RW	Android O
MC330M-GL4HA2RW	Android O
MC330M-GL40A2RW	Android O
MC330M-GL3HA2RW	Android O
MC330M-GL2HA2RW	Android O
MC330M-GI4HA2RW	Android O
MC330M-GI4HA2IN	Android O
MC330M-GI3HA2RW	Android O
MC330M-GI3HA2IN	Android O
MC330M-GI30A2RW	Android O
MC330M-GI2HA2RW	Android O
MC330M-RL3HA2RW	Android O
MC330M-SL4HA2US	Android O
MC330M-SL3HA2US	Android O

MC3300	
Device Part number	Operating System
MC330K-GI4HA4US	Android O
MC330K-GI4HA3US	Android O
MC330K-GI3HA3US	Android O
MC330K-GE4HA4US	Android O
MC330K-GE4HA3US	Android O
MC330K-GE3HA3US	Android O
MC330K-GE2HA4US	Android O
MC330K-GE2HA3US	Android O
MC330K-SE2HA3RW	Android O
MC330K-SE4HA3US	Android O
MC330K-SE3HA3US	Android O
MC330K-SE2HA3US	Android O
MC330K-SG3HA4RW	Android O
MC330K-SG2HA4RW	Android O
MC330K-SG4HA4US	Android O
MC330K-SG3HA4US	Android O
MC330K-SG2HA4US	Android O
MC330K-GI3HA3IN	Android O
MC330K-SP2HA4RW	Android O
MC330M-SN3HA2US	Android O
MC330K-SN3HA3US	Android O

MC330M-RL4SA2US	Android O
MC330M-RL3HA2US	Android O
MC330M-SN3HA2RW	Android O
MC330M-SI4HA2RW	Android O
MC330M-SI3HA2RW	Android O
MC330M-SI30A2RW	Android O
MC330M-SI2HA2RW	Android O
MC330M-SN4HA2US	Android O
MC330M-SI4HA2US	Android O
MC330M-SI40A2US	Android O
MC330K-GL4HA4RW	Android O
MC330K-GL4HA3RW	Android O
MC330K-GL3HA4RW	Android O
MC330K-GL3HA3RW	Android O
MC330K-GL2HA3RW	Android O
MC330K-GI4HA4RW	Android O
MC330K-GI4HA3RW	Android O
MC330K-GI3HA4RW	Android O
MC330K-GI3HA3RW	Android O
MC330K-GE4HA4RW	Android O
MC330K-GE4HA3RW	Android O
MC330K-GE3HA3RW	Android O
MC330K-GE2HA4RW	Android O
MC330K-GE2HA3RW	Android O
MC330M-SI3HA2US	Android O
MC330K-SL4HA3RW	Android O
MC330K-SL2HA3RW	Android O
MC330K-RL4HA3RW	Android O
MC330K-RL3HA3RW	Android O
MC330K-RL4HA3US	Android O
MC330K-SN4HA3RW	Android O
MC330K-SN3HA3RW	Android O
MC330K-SI4HA3RW	Android O
MC330K-SI3HA3RW	Android O
MC330K-SI2HA3RW	Android O
MC330K-SN4HA3US	Android O

MC330M-SN2HA2US	Android O
MC330K-SL3HA3CN	Android O
MC330K-SI3HA3CN	Android O
MC330K-GL3HA3CN	Android O
MC330K-GI3HA3CN	Android O
MC330K-SB2HA4RW	Android O
MC330M-SIMHA2RW	Android O
MC330K-SP2HA3RW	Android O
MC330M-GJ4HA2RW	Android O
MC330M-GJ4HA2IN	Android O
MC330M-GJ3HA2RW	Android O
MC330M-GJ3HA2IN	Android O
MC330M-GJ30A2RW	Android O
MC330M-GJ2HA2RW	Android O
MC330M-SK3HA2RW	Android O
MC330M-SJ4HA2RW	Android O
MC330M-SJ3HA2RW	Android O
MC330M-SJ30A2RW	Android O
MC330M-SJ2HA2RW	Android O
MC330M-SK4HA2US	Android O
MC330M-SJ4HA2US	Android O
MC330M-SJ40A2US	Android O
MC330K-GJ4HA4RW	Android O
MC330K-GJ4HA3RW	Android O
MC330K-GJ3HA4RW	Android O
MC330K-GJ3HA3RW	Android O
MC330M-SJ3HA2US	Android O
MC330K-SK4HA3RW	Android O
MC330K-SK3HA3RW	Android O
MC330K-SJ4HA3RW	Android O
MC330K-SJ3HA3RW	Android O
MC330K-SJ2HA3RW	Android O
MC330K-SK4HA3US	Android O
MC330K-SJ4HA3US	Android O
MC330K-SJ3HA3US	Android O
MC330M-GJ4HA2US	Android O

MC330K-SI4HA3US	Android O
MC330K-SI3HA3US	Android O
MC330K-RC4HA4RW	Android O
MC330K-RC3HA4RW	Android O
MC330K-RC4HA4US	Android O
MC330K-RC3HA4US	Android O
MC330M-GL4HA2US	Android O
MC330M-GL40A2US	Android O
MC330M-GL3HA2US	Android O
MC330M-GL2HA2US	Android O
MC330M-GI4HA2US	Android O
MC330M-GI40A2US	Android O
MC330M-GI3HA2US	Android O
MC330M-GI2HA2US	Android O
MC330K-SP4HA4RW	Android O
MC330K-SP3HA4RW	Android O
MC330K-SB4HA4RW	Android O
MC330K-SB3HA4RW	Android O
MC330K-SP4HA4US	Android O
MC330K-SP3HA4US	Android O
MC330K-SB4HA4US	Android O
MC330K-SB3HA4US	Android O
MC330K-SE4HA3RW	Android O
MC330K-SE3HA3RW	Android O
MC330K-GL4HA4US	Android O
MC330K-GL4HA3US	Android O

MC330M-GJ40A2US	Android O
MC330M-GJ3HA2US	Android O
MC330M-GJ2HA2US	Android O
MC330K-SM4HA4RW	Android O
MC330K-SM3HA4RW	Android O
MC330K-SA4HA4RW	Android O
MC330K-SA3HA4RW	Android O
MC330K-SM4HA4US	Android O
MC330K-SM3HA4US	Android O
MC330K-SA4HA4US	Android O
MC330K-SA3HA4US	Android O
MC330K-GJ4HA4US	Android O
MC330K-GJ4HA3US	Android O
MC330K-GJ3HA3US	Android O
MC330K-GJ3HA3IN	Android O
MC330K-SM2HA4RW	Android O
MC330M-SK3HA2US	Android O
MC330K-SK3HA3US	Android O
MC330M-SK2HA2US	Android O
MC330K-SJ3HA3CN	Android O
MC330K-GJ3HA3CN	Android O
MC330K-SA2HA4RW	Android O
MC330K-SP2HA3RW	Android O
MC330K-GI2HA3RW	Android O
MC330K-GJ2HA3RW	Android O
	Android O

[MC3300R Home Page](#)

MC3300R	
Device Part Number	Operating System
MC333R-GI2HA4IL	Android O
MC333R-GI2HA4CN	Android O
MC333R-GI4HA4CN	Android O
MC339R-GF4HA4CN	Android O

MC3300R	
Device Part Number	Operating System
MC339R-GE2HA4CN	Android O
MC339R-GF2HA4CN	Android O
MC339R-GE4HA4CN	Android O

Component Versions

For detailed release notes, please refer techdocs.zebra.com, developer.zebra.com

Component / Description	Version
Product Build Number	02-32-04.00-ON-U23-STD
Android Version	8.1.0
Linux Kernel	3.10.84
Android SDK Level	27
Platform	QC8956
Bluetooth Stack	4.1
Flash Size	16/32GB
RAM Size	2/4GB
Scanning Framework	23.3.8.1
SimulScan	4.0.5
SimulScanEngine	3.0.1
DataWedge	8.2.211
EMDK	9.0.3.3003
MXMF / OSX	MXMF: 10.3.0.26 / OSX: QCT.81.8.15.0
WiFi	FUSION_BA_2_11.1.0.0015_O Radio: BA_2_11.1.0.011_O Application: BA_2_11.1.0.006_O Middleware: BA_2_11.1.0.008_O Firmware: w 0: Aug 27 2021 14:25:37 Version 7.35.205.8 (r) FWID 01-aa37d094
NFC	NFC_NCIHALx_AR003C.8.3.0_O_OpnSrc
PTT	3.1.54
Touch FW	TC70x/TC75x: 1.9-Stylus-1-0 TC51/TC56: 1.8-Stylus-2-0
RxLogger	5.4.16.0
Bluetooth Pairing Utility	3.16
Zebra Data Service	7.0.2.1047
Files	8.1.0
Stage Now	5.1.0.1
Battery Swap	1.0
User Guide	TC51: 1.0, TC56: 2.0, TC70x/TC75x: 1.0.0
Camera	2.0.002
MSRN	2.01
Zebra Volume Control (ZVC)	2.3.1.12
Battery Manger	1.4.2
ActiveEdge	2.5.16

WorryFree WiFi Analyzer	WFW_BA_2_7.0.0.001_O
Device Central	2.1.0.17
Zebra Software License Manager	5.0.0
Audio	0.8.0.0
Acoustic Profiles	TC51: General: AO1.1 Cellular: N/A TC51HC: General: AO2.2 Cellular: N/A TC70x: General: BO1.2 Cellular: N/A TC56: General: AO3.1 Cellular: AO3.2 TC75x: General: BO2.2 Cellular: BO2.1 VC80x: General: EO1.1 Cellular: N/A MC33x: General: DO1.1 Cellular: N/A
OemInfo	9.0.0.282
Enterprise Keyboard (EKB)	2.2.2.3
Webview	89.0.4389.90
RFID Module	MC3300R: PAAEES00-001-R03
RFID Radio	MC3300R: 2.0.30.0
Zebra RFID Mobile (Demo App)	MC3300R: 1.0
RFID Manager Application	MC3300R: 2.0.10.3
RFID System Service	MC3300R: 2.0.4.4
Baseband	ATLAS-W210918A-015.2-00059.0
Fingerprint	Zebra/TC51/TC51:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/TC51/TC51HC:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/TC70x/TC70x:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/TC75x/TC75x:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/TC75x/TC75xDF:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/TC56/TC56:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/MC33/MC33:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/MC33/MC33C:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys Zebra/VC80x/VC80x:8.1.0/02-32-04.00-ON-U23-STD/515:user/release-keys
Security Patch Level	October 01 2021

Important Links

- <https://techdocs.zebra.com/datawedge/8-1/guide/about/>
- <https://techdocs.zebra.com/emdk-for-android/8-0/guide/about/>
- <https://techdocs.zebra.com/stagenow/4-2/about/>
- <https://techdocs.zebra.com/mx/>
- <https://techdocs.zebra.com/rxlogger/5-4/guide/about/>

Revision History

REV	DESCRIPTION	DATE
1.0	Initial Release	Oct 13, 2021
2.0	Updated U23 resolved issues	Oct 29, 2021
3.0	Updated U23 resolved issues	Feb 03, 2022