



Release Notes for Zebra Android Oreo 02-32-04.00-OG-U01-STD Release (GMS)

Highlights

The details of the Android GMS Oreo release 02-32-04.00-OG-U01-STD that covers family of products including TC51, TC56, TC70x, TC75x, VC80x, MC33x and MC3300r. Please see, Device Compatibility under Addendum Section for more details.

02-32-04.00-OG-U01-STD baseline replaces the previous baseline 02-13-15.00-OG-U01-STD for new LG updates.

Software Packages

| Package Name | Description |
|--------------------------------------|-----------------------------|
| FPU_ATLAS_02-32-04.00-OG-U00-STD.zip | Full Package Update |
| CFE_ATLAS_02-32-04.00-OG-U01-STD.zip | Mandatory LG Package Update |

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of April 05 2020.

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-OG-U01-STD |
| Android Version | 8.1.0 |
| Security Patch level | April 5, 2020 |
| Linux Kernel | 3.10.84 |
| Component Versions | Please see Component Version under Addendum section |

New Features

- Added support for Tianma display panel (tm046jdhg06) for TC70x/TC75x devices including downgrade protection. This image is backward compatible with existing Innolux display.
- Added CM36686 proximity sensor support for TC70x/TC75x including downgrade protection.
- Added support for SE4770 scanner on MC33 devices including downgrade protection.
- Added Individual and Global Wake up source support.
- Added support for Common Transport Layer (CTL).

Resolved Issues

- SPR39435 - Updated the firmware for fixing Kr00k vulnerability issue seen with Broadcom Wi-Fi chipsets.
- SPR38282 - Resolved an issue wherein device failed to resolve Proxy function call.
- SPR38250 - Resolved an issue wherein device was sending Bluetooth data packets in an incorrect order while connected with printer resulting in random print failures.
- SPR38483 - Resolved an issue wherein data transfer with certain Bluetooth printers are delayed.
- SPR38426 - Resolved an issue wherein setting proxy via StageNow used to fail if bypass proxy was left empty.
- SPR38424 - Resolved an issue wherein Scanner firmware gets corrupted due to incorrect power up sequence and improper delay.
- SPR37976 - Resolved an issue wherein keys entered via hardware keypad were not getting repeated when entered in the browser address bar.
- SPR38845 - Resolved an issue wherein streaming of certain MP3 files used to fail.
- SPR38730 - Resolved an issue wherein Rxlogger required a reboot to apply config changes.
- SPR37268 - Resolved an issue wherein download manager is not working with Auto config proxy.
- SPR38257 - Resolved an issue wherein unwarranted APN changes on Verizon network are avoided.
- SPR38152 - Resolved an issue wherein Device was unable to maintain constant Friendly name for DX30.
- SPR39231 - Resolved an issue wherein enabling the SIM socket selection would fail using StageNow.
- SPR39186 - Resolved an issue wherein call to MX AccessMgr CSP used to fail intermittently resulting in MX being in an error state.
- SPR39445/SPR39517 - Resolved an issue wherein scanner intermittently failed to decode the barcode if HW picklist was enabled.
- SPR38751 - Resolved an issue wherein device was rebooting upon scanning a QR barcode.
- SPR38843 - Resolved an issue wherein intermittently scanner beam would not get fired when using DataWedge soft trigger API.

- SPR38895 - Resolved an issue wherein device was unable to maintain connection with Payment Devices (POS).
- SPR39212 - Resolved an issue wherein device was unable to Re-Pair with Zq520.
- SPR39392 - Resolved an issue wherein device loses wireless connectivity during roam in screen off state.
- SPR39323 - Resolved an issue wherein the scanner beep volume was not changing according to the value set by the user.
- SPR39076 - Resolved an issue wherein Applications were not able to receive Right and Back Scan trigger key events.
- SPR39461 - Added support to automatically agree to the location consent when the location modes are changed using WirelessMgr CSP.
- SPR37883 - Resolved an issue wherein proxy resolution fails when Java script functions are invoked.
- SPR37241 - Added support for NDEF tags for Oreo.
- SPR38869 - Add feature to disable Secure Startup (boot PIN) option in PIN wizard.
- SPR39057 – Resolved an issue wherein scanner does not activate in 123RFID Mobile Scan and Pair Screen.
- Resolved an issue wherein "Zebra Bluetooth stopped" crash is observed after performing NFC tap to pair RS5100 in Setup Wizard Screen.

Installation Requirements

- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)
- Download Full Package, Mandatory LG Package and Reset Packages (Optional)

Installation Instructions

Software update procedure

The installation instructions assume you have ADB installed on user 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.

1. Connect the device to the PC using the USB data cable or through the cradle.
2. User may need to pull down the top menu and if you see "USB for charging", touch it and then change it to "File transfers".
3. Open Command Prompt, run "*adb devices*" and check if you can see the device's serial number... If yes, proceed... if not, user will need to get the PC set up with the proper drivers or install an External SD Card or USB stick.

4. User may also get a pop up on your PC (Win 7) that user will be connected as a Portable Media Player... this can be ignored.

◆ Download Image

- FPU_ATLAS_02-32-04.00-OG-U00-STD.zip and CFE_ATLAS_02-32-04.00-OG-U01-STD.zip listed above in content section
5. Entering Recovery Mode
 - Choice 1: In Command Prompt, type *“adb reboot recovery”* and click enter.
 - Choice 2:
 - TC5x/TC7x: Reset and hold PTT key
 - VC80x: Reboot the VC80x using the power button menu and when the screen goes black, hold the Power and + buttons
 - MC33x/MC3300r: Reboot the device while holding the Pistol Grip Trigger (**GUN Device**) or the Right Scan Trigger (**BRICK Device**)
 - When Zebra Technologies logo appears on the screen release the PTT Key/Buttons/Trigger
 6. User device will reboot and put user on the Android Recovery screen.
 7. If applying update via sideload Method
 - Use the Volume + and – or Up and Down buttons to highlight, “Apply update from ADB” and press the Power or Enter key to select it for applying OS upgrade package.
 8. If applying update via External SD card or USB Stick
 - Use the Volume + and – or Up and Down buttons to highlight “Apply update from SD card” and press the Power or Enter Key to select it.
 - Use the Volume + and – or Up and Down buttons to highlight package FPU_ATLAS_02-32-04.00-OG-U00-STD.zip and press the Power or Enter Key to select it.
 - Go to Step 10 once above steps are completed.
 9. With User Command Prompt open in the Host machine, type *“adb sideload”* command and add a space and then drag and drop the FPU_ATLAS_02-32-04.00-OG-U00-STD.zip file on to it and click enter.
 - User PC screen will show files being installed and a little blue horizontal progress bar on user device will show status... and after about 6~ minutes (could be 10+ minutes if installing GMS) it should be done and user should be back at the Android Recovery screen.
 10. *“Reboot system now”* is highlighted. Press the Power key to Reboot.
 11. Repeat steps 5 to 10 for CFE_ATLAS_02-32-04.00-OG-U01-STD.zip (Mandatory LG Package Update).
 12. At the Home Screen, user need to verify that the BSP upgrade took place and set the Date & Time.
 - Go to “Settings” and scroll down to “About phone” and look at the “Build number”. It should start with **“02-32-04.00-OG-U01-STD release keys”**. Now you are on the correct BSP.
 13. Now user is all set to use Zebra Device.

NOTE:

- **TC70x/TC75x Tianma display devices, TC70x/TC75x CM36686 proximity sensor devices and MC33 SE4770 Scanner devices are not allowed to downgrade to any of the older BSPs.**

- To identify the display type on TC70x/TC75x devices user can check the 'ro.config.device.display' property using adb getprop command.
 - o For TC70x/TC75x Innolux device [ro.config.device.display] = 600
 - o For TC70x/TC75x Tianma device [ro.config.device.display] = 512

- To identify the proximity sensor type on TC70x/TC75x devices user can check the 'ro.config.device.proximity' using adb getprop command.
 - o For TC70x/TC75x TMG39933 proximity sensor [ro.config.device.proximity] = [32]
 - o For TC70x/TC75x CM36686 proximity sensor [ro.config.device.proximity] = [64]

Addendum

Device Compatibility

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

| TC51 | |
|--------------------|------------------|
| Device Part Number | Operating System |
| TC510K-1PAZU2P-US | Android O |
| TC510K-1PAZU2P-A6 | Android O |
| TC510K-1PAZU4P-US | Android O |
| TC510K-1PAZU4P-A6 | Android O |
| TC510K-1HDZU2P-US | Android O |
| TC510K-1HDZU4P-US | Android O |
| TC510K-1HDZU2P-A6 | Android O |
| TC510K-1HDZU4P-A6 | Android O |
| TC510K-1PAZU2P-IA | Android O |
| TC510K-1PAZU4P-IA | Android O |

| TC70x | |
|--------------------|------------------|
| Device Part Number | Operating System |
| TC700K-0MB22B0-A6 | Android O |
| TC700K-0MB24B0-A6 | Android O |
| TC700K-0MB22B0-US | Android O |
| TC700K-0MB24B0-US | Android O |
| TC700K-0MB22B0-IA | Android O |

| FIPS and TAA Compliant SKUs | |
|-----------------------------|------------------|
| Device Part Number | Operating System |
| TC510K-1PAZU4P-FT | Android O |
| TC510K-1HDZU2P-FT | Android O |
| TC510K-1HDZU4P-FT | Android O |
| TC700K-0MB24B0-FT | Android O |

| TC56 | |
|--------------------|------------------|
| Device Part Number | Operating System |
| TC56CJ-1PAZU2P-US | Android O |
| TC56CJ-1PAZU2P-A6 | Android O |
| TC56DJ-1PAZU2P-A6 | Android O |
| TC56DJ-1PAZU2P-BR | Android O |
| TC56DJ-1PAZU2P-IA | Android O |
| TC56DJ-1PAZU2P-CN | Android O |
| TC56DJ-1PAZU2P-TN | Android O |
| TC56DJ-1PAZU2P-ID | Android O |
| TC56CJ-1PAZU4P-US | Android O |
| TC56CJ-1PAZU4P-A6 | Android O |
| TC56DJ-1PAZU4P-A6 | Android O |
| TC56DJ-1PAZU4P-BR | Android O |
| TC56DJ-1PAZU4P-IA | Android O |
| TC56DJ-1PAZU4P-TN | Android O |
| TC56DJ-1PAZU4P-CN | Android O |
| TC56DJ-1PAZU4P-ID | Android O |

| TC75x | |
|--------------------|------------------|
| Device Part Number | Operating System |
| TC75EK-2MB22AB-US | Android O |
| TC75EK-2MB24AB-US | Android O |
| TC75EK-2MF22AB-US | Android O |
| TC75EK-2MB22AF-US | Android O |
| TC75FK-2MB22AD-A6 | Android O |
| TC75FK-2MB24AD-A6 | Android O |
| TC75FK-2MB22AD-BR | Android O |

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|-------------------|-----------|
| TC75FK-2MB22AD-IA | Android O |
| TC75FK-2MB22AD-ID | Android O |
| TC75FK-2MB22AD-TN | Android O |
| TC75FK-2MF22AD-A6 | Android O |
| TC75FK-2MB22AD-TW | Android O |
| TC75GK-2MB22AD-A6 | Android O |
| TC75GK-2MB24AD-A6 | Android O |
| TC75GK-2MF22AD-A6 | Android O |

| FIPS and TAA Compliant SKUS | |
|-----------------------------|------------------|
| Device Part Number | Operating System |
| TC56CJ-1PAZU4P-FT | Android O |

| FIPS and TAA Compliant SKUS | |
|-----------------------------|------------------|
| Device Part Number | Operating System |
| TC75EK-2MB24AB-FT | Android O |

| VC80x USA | | |
|-----------|--------------------|------------------|
| | Device Part Number | Operating System |
| Warehouse | VC80X-10SSRAAABA-U | Android O |
| Freezer | VC80X-10FSRAAABA-U | Android O |
| Outdoor | VC80X-10SORAAABA-U | Android O |

| VC80x Rest of the World | | |
|-------------------------|--------------------|------------------|
| | Device Part Number | Operating System |
| Warehouse | VC80X-10SSRAAABA-I | Android O |
| Freezer | VC80X-10FSRAAABA-I | Android O |
| Outdoor | VC80X-10SORAAABA-I | Android O |

| MC33x | |
|--------------------|------------------|
| Device Part Number | Operating System |
| MC330M-RL4SG2RW | Android O |
| MC330M-RL2SG2RW | Android O |
| MC330M-RL3SG2US | Android O |
| MC330M-RL2SG2US | Android O |
| MC330M-SL2HG2RW | Android O |
| MC330M-RL3SG2RW | Android O |
| MC330M-GL3HG2RW | Android O |
| MC330M-GI3HG2RW | Android O |

| MC33x | |
|--------------------|------------------|
| Device Part number | Operating System |
| MC330K-SE3HG3RW | Android O |
| MC330K-SE2HG3RW | Android O |
| MC330M-GL4HG2US | Android O |
| MC330M-GL3HG2US | Android O |
| MC330M-GL2HG2US | Android O |
| MC330M-GI3HG2US | Android O |
| MC330M-GI2HG2US | Android O |
| MC330K-SE4HG3US | Android O |

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| MC330M-SL3HG2RW | Android O |
| MC330M-RL3HG2RW | Android O |
| MC330M-SL4HG2US | Android O |
| MC330M-SL3HG2US | Android O |
| MC330M-RL4SG2US | Android O |
| MC330M-RL3HG2US | Android O |
| MC330K-RL3SG3RW | Android O |
| MC330M-SN3HG2RW | Android O |
| MC330M-SI4HG2RW | Android O |
| MC330M-SI3HG2RW | Android O |
| MC330M-SI2HG2RW | Android O |
| MC330M-SI4HG2US | Android O |
| MC330K-GL4HG3RW | Android O |
| MC330K-GI4HG4RW | Android O |
| MC330K-GI4HG3RW | Android O |
| MC330M-SN4HG2US | Android O |
| MC330M-SI3HG2US | Android O |
| MC330K-RL3HG3RW | Android O |
| MC330M-GL4HG2RW | Android O |
| MC330M-GL2HG2RW | Android O |
| MC330M-GI4HG2RW | Android O |
| MC330M-GI4HG2IN | Android O |
| MC330M-GI3HG2IN | Android O |
| MC330M-GI2HG2RW | Android O |
| MC330K-SL4HG3RW | Android O |
| MC330K-SL2HG3RW | Android O |
| MC330K-RL4HG3RW | Android O |
| MC330K-RL4HG3US | Android O |
| MC330K-SI3HG3RW | Android O |
| MC330K-SN4HG3RW | Android O |
| MC330K-SN3HG3RW | Android O |
| MC330K-SI4HG3RW | Android O |
| MC330K-SI2HG3RW | Android O |
| MC330K-GL3HG4RW | Android O |
| MC330K-GL3HG3RW | Android O |
| MC330K-GL2HG3RW | Android O |

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| MC330K-SE3HG3US | Android O |
| MC330K-GL4HG3US | Android O |
| MC330K-SE2HG3US | Android O |
| MC330K-GL4HG4US | Android O |
| MC330K-GI3HG3US | Android O |
| MC330K-SG3HG4RW | Android O |
| MC330K-SG2HG4RW | Android O |
| MC330K-GE4HG3US | Android O |
| MC330K-GE3HG3US | Android O |
| MC330K-GE2HG3US | Android O |
| MC330K-SG4HG4US | Android O |
| MC330K-SG3HG4US | Android O |
| MC330K-SG2HG4US | Android O |
| MC330K-GE4HG4US | Android O |
| MC330K-GE2HG4US | Android O |
| MC330K-GI3HG3IN | Android O |
| MC330M-SI3HG2IN | Android O |
| MC330M-GJ3HG2RW | Android O |
| MC330M-SK3HG2RW | Android O |
| MC330M-SJ4HG2RW | Android O |
| MC330M-SJ3HG2RW | Android O |
| MC330M-SJ2HG2RW | Android O |
| MC330M-SJ4HG2US | Android O |
| MC330K-GJ4HG4RW | Android O |
| MC330K-GJ4HG3RW | Android O |
| MC330M-SK4HG2US | Android O |
| MC330M-SJ3HG2US | Android O |
| MC330M-GJ4HG2RW | Android O |
| MC330M-GJ4HG2IN | Android O |
| MC330M-GJ3HG2IN | Android O |
| MC330M-GJ2HG2RW | Android O |
| MC330K-SJ3HG3RW | Android O |
| MC330K-SK4HG3RW | Android O |
| MC330K-SK3HG3RW | Android O |
| MC330K-SJ4HG3RW | Android O |
| MC330K-SJ2HG3RW | Android O |

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| MC330K-GI3HG4RW | Android O |
| MC330K-GI3HG3RW | Android O |
| MC330K-GE4HG4RW | Android O |
| MC330K-GE4HG3RW | Android O |
| MC330K-GE3HG3RW | Android O |
| MC330K-GE2HG4RW | Android O |
| MC330K-GE2HG3RW | Android O |
| MC330K-SI4HG3US | Android O |
| MC330K-SN4HG3US | Android O |
| MC330K-SI3HG3US | Android O |
| MC330K-RC3HG4RW | Android O |
| MC330K-RC4HG4RW | Android O |
| MC330K-RC4HG4US | Android O |
| MC330M-GI4HG2US | Android O |
| MC330K-RC3HG4US | Android O |
| MC330K-SB3HG4RW | Android O |
| MC330K-SP4HG4RW | Android O |
| MC330K-SP3HG4RW | Android O |
| MC330K-SB4HG4RW | Android O |
| MC330K-SB4HG4US | Android O |
| MC330K-SP4HG4US | Android O |
| MC330K-SP3HG4US | Android O |
| MC330K-SB3HG4US | Android O |
| MC330K-GI4HG4US | Android O |
| MC330K-GI4HG3US | Android O |
| MC330K-SE4HG3RW | Android O |

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|-----------------|-----------|
| MC330K-GJ3HG4RW | Android O |
| MC330K-GJ3HG3RW | Android O |
| MC330K-SJ4HG3US | Android O |
| MC330K-SK4HG3US | Android O |
| MC330K-SJ3HG3US | Android O |
| MC330M-GJ4HG2US | Android O |
| MC330K-SA3HG4RW | Android O |
| MC330K-SM4HG4RW | Android O |
| MC330K-SM3HG4RW | Android O |
| MC330K-SA4HG4RW | Android O |
| MC330K-SA4HG4US | Android O |
| MC330K-SM4HG4US | Android O |
| MC330K-SM3HG4US | Android O |
| MC330K-SA3HG4US | Android O |
| MC330K-GJ4HG4US | Android O |
| MC330K-GJ4HG3US | Android O |
| MC330M-GJ3HG2US | Android O |
| MC330M-GJ2HG2US | Android O |
| MC330K-GJ3HG3US | Android O |
| MC330K-GJ3HG3IN | Android O |
| MC330M-SJ3HG2IN | Android O |
| MC330K-GI2HG3RW | Android O |
| MC330K-SP2HG4RW | Android O |
| MC330K-GJ2HG3RW | Android O |
| MC330K-SM2HG4RW | Android O |
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| MC3300R | |
|--------------------|------------------|
| Device Part Number | Operating System |
| MC333R-GI2HG4US | Android O |
| MC339R-GE2HG4US | Android O |
| MC339R-GF2HG4US | Android O |
| MC333R-GI2HG4EU | Android O |
| MC339R-GE2HG4EU | Android O |
| MC339R-GF2HG4EU | Android O |
| MC333R-GI2HG4IN | Android O |

| MC300R | |
|--------------------|------------------|
| Device Part number | Operating System |
| MC333R-GI3HG4US | Android O |
| MC339R-GE3HG4US | Android O |
| MC339R-GF3HG4US | Android O |
| MC333R-GI3HG4EU | Android O |
| MC339R-GE3HG4EU | Android O |
| MC339R-GF3HG4EU | Android O |
| MC333R-GI4HG4US | Android O |

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| MC339R-GF2HG4IN | Android O |
| MC333R-GI2HG4JP | Android O |
| MC333R-GI2HG4WR | Android O |
| MC339R-GE2HG4WR | Android O |
| MC339R-GF2HG4WR | Android O |
| MC333R-GI4HG4WR | Android O |
| MC333R-GI4HG4JP | Android O |
| MC333R-GI4HG4IN | Android O |

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|-----------------|-----------|
| MC339R-GE4HG4US | Android O |
| MC339R-GF4HG4US | Android O |
| MC333R-GI4HG4EU | Android O |
| MC339R-GE4HG4EU | Android O |
| MC339R-GF4HG4EU | Android O |
| MC339R-GF4HG4WR | Android O |
| MC339R-GF4HG4IN | Android O |
| MC339R-GE4HG4WR | 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-OG-U01-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 | 23.1.8.0 |
| SimulScan | 4.0.5 |
| SimulScanEngine | 3.0.1 |
| DataWedge | 8.0.38 |
| EMDK | 8.0.10.2621 |
| MXMF / OSX | MXMF: 10.0.2.6 / OSX: QCT.81.8.12.4 |
| WiFi | FUSION_BA_2_11.0.1.028_O Radio: BA_2_11.0.1.020_O Application: BA_2_11.0.0.012_O Middleware: BA_2_11.0.0.016_O Firmware: 7.35.205.8_20200302 |
| NFC | NFC_NCIHALx_AR003C.8.3.0_O_OpnSrc |
| PTT | 3.1.39 |
| Touch FW | TC70x/TC75x: 1.9-Stylus-1-0 TC51/TC56: 1.8-Stylus-2.0 |
| RxLogger | 5.4.12.0 |
| Bluetooth Pairing Utility | 3.16 |
| Zebra Data Service | 7.0.0.1005 |

| | |
|---------------------------------------|---|
| Files | 8.1.0 |
| Stage Now | 4.2.5.5 |
| Battery Swap | 1.0 |
| User Guide | 1.0 |
| Camera | 2.0.002 |
| MSRN | 2.01 |
| Zebra Volume Control (ZVC) | 2.1.0.14 |
| Battery Manger | 1.4.2 |
| ActiveEdge | 2.5.16 |
| WorryFree WiFi Analyzer | WFW_BA_2_5.0.0.005_O |
| Device Central | 2.1.0.17 |
| Zebra Software License Manager | 4.0.2 |
| 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: DO3.1 Cellular: N/A |
| OemInfo | 9.0.0.64 |
| Enterprise Keyboard (EKB) | 2.2.2.3 |
| Diagnostic Tool | 1.20.0.2 |
| RFID Module | MC3300R: PAAEES00-001-R03 |
| RFID Radio | MC3300R: 2.0.30.0 |
| Zebra RFID Mobile (Demo App) | MC3300R: 2.2.7.1 |
| RFID Manager Application | MC3300R: 2.0.10.1 |
| RFID System Service | MC3300R: 2.0.4.2 |
| Fingerprint | Zebra/TC70x/TC70x:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/TC51/TC51:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/TC51/TC51HC:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/TC75x/TC75x:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/TC56/TC56:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/VC80x/VC80x:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/MC33/MC33:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys Zebra/MC33/MC33C:8.1.0/02-32-04.00-OG-U01-STD/299:user/release-keys |
| Security Patch Level | April 05 2020 |
| GMS Version | 8.1_201812 |

Important Links

- <https://techdocs.zebra.com/datawedge/8-0/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/ddt/1-1/guide/about/>
- <https://techdocs.zebra.com/rxlogger/5-4/guide/about/>

Revision History

| REV | DESCRIPTION | DATE |
|-----|-----------------|--------------|
| 1.0 | Initial Release | May 28, 2020 |