Release Notes – Zebra Android Oreo 01-23-19.00-ON-U00-STD Release (China Only)

Description

The details of the Android AOSP Oreo release 01-23-19.00-ON-U00-STD that covers family of products including TC52, TC57, TC72, TC77, TC52HC, PS20x, TC8300, MC9300, L10A, ET51, EC30 and CC600, CC6000. Please see, Device Compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip	Full Package Update
HE_DELTA_UPDATE_01-21-18.00-ON_TO_01-23-19.U00-ON.ZIP	Delta Package Update

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of July 01 2019.

New Features

- Added Support for SE4770 Scanner on TC72, TC77 and TC8300
- Added WLAN Power improvement (2dB on RSSI).
- Added Full Duplex VOIP support w/ WFC for CC6000
- Added SE4750-DPM Engine's support on MC9300 SKU
- Added Recovery in case of failure during Scanner firmware update

Fixes

- Fixed: SPR 37941 In rare instance TC77 battery not charging when device enters sleep during charging and calibration process
- Fixed: SPR37782 Invalid sniff parameters from remote device is causing the BT controller to reboot
- Fixed: SPR 37927 Error seen when transmitting Bulk Data (>30mb) over Bluetooth.
- Fixed: SPR38119 TC77 SerialAPI writeData takes 400-500ms compared with TC75x Android O takes 5ms
- Fixed: SPR36321 TC77 Right scan key not generating keycode / scan code when Chrome is on foreground
- Fixed: SPR-37983 Addressed loss of WiFi connection using POE with Ethernet disabled
- Fixed: SPR-38059 CC6000 illuminates constantly in dark environment causing scanner overheat
- Fixed: SPR-38285 Improved scanner to decode sample barcode

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	X1-23-19.00-ON-U00-STD
Android Version	8.1.0
Security Patch level	July 1, 2019
Linux Kernel	4.4.78
Component Versions	Please see Component Version under Addendum section

Installation

Requirements and Instructions

https://www.zebra.com/content/dam/zebra_new_ia/en-us/software/operating-system/helios/oreo-os-update-instructions.pdf

Upgrade options

Below table provides detailed information on shortest path to upgrade based on current version of software.

Current Software Version on Device	Steps to get to this Release	Comments
01-12-01.00-ON-Uxx	Apply Full Package Update HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip	
01-13-20.00-ON-Uxx	Apply Full Package Update HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip	
01-18-02.00-ON-Uxx	Apply Full Package Update HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip	
01-21-18.00-ON-Uxx	**Option 1:** Apply Delta Package Update HE_DELTA_UPDATE_01-21-18.00-ON_TO_01-23-19.U00-ON.zip **Option 2:** Full Package Update Apply HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip	**Option #1 is recommended** as size of Delta package update is smaller compared to Full Package Update

Known Constraints

Below are Known Constraints and workaround if applicable.

- WiFi sleep policy set to "Always" (Android O limitation)
- GMS Restricted Mode is introduced in this release. Customers using Enable/Disable GMS apps may want to consult the settings types for App Manager, Power Manager and GMS Manager in Zebra's Tech Docs. Functionality originally in Enable/Disable GMS apps (App Manager) has been moved to GMS Restricted Mode (GMS Manager).
- "Get Status for all Wake-Up sources" is returning "Enabled" when all Wake-up sources are disabled
- "Feature not supported" staging error message comes after staging enable wake up source function via stagenow, even though operation is successful.
- Some devices operate at 320 dpi. This screen configuration results in the majority of the AOSP applications displaying content consistently in both portrait and landscape modes. In most cases if the application layout is not optimal in landscape it is optimal in portrait or vice versa. However there are a few applications that do not render properly in either portrait or landscape. In this case the suggested alternative is to change the display size using the bundled Display Settings APK or use settings menu to change the display size and font size (settings ⮕ Display ⮕ Advanced settings ⮕ Display Size / Font Size).

Addendum

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

Device Family	Part Number	Product Specific Manual
TC52	TC520K-2PEZU4P-CN TC520K-2PEZU4P-CN TC520K-2HEZU4P-CN	Visit Manuals Section under TC52 Home Page
TC72	TC720L-0ME24B0-CN	Visit Manuals Section under TC72 Home Page
PS20	PS20J-B2G2CN00 PS20J-P4G2CN00	Visit Manuals Section under PS20 Home Page
TC77	TC77HL-5ME24BG-CN	Visit Manuals Section under TC77 Home Page
TC57	TC57HO-1PEZU4P-CN	Visit Manuals Section under TC57 Home Page
CC600		
CC6000		
VC8300		
MC9300	MC930B-GSEEG4CN MC930B-GSCDG4CN MC930B-GSEDG4CN MC930B-GSADG4CN MC930B-GSACG4CN MC930P-GFADG4CN MC930P-GFCDG4CN MC930P-GFEDG4CN MC930B-GSHDG4CN MC930P-GFHBG4CN	Visit Manuals Section under MC9300 Home Page
L10AW	RTL10B1-xxAxxX0x00CN (China) *Note: 'x' Stands for wild card for different configurations.*	
ET51	ET51CE-L21E-00CN	Visit Manuals Section under ET51 Home Page
TC8300	TC83B0-6005A510CN TC83B0-2005A510CN TC83B0-3005A510CN TC83B0-2005A61CCN TC83B0-3005A61CCN TC83BH-2205A710CN TC83BH-3205A710CN TC83B0-4005A610CN TC83B0-5005A610CN	Visit Manuals Section under TC8300 Home Page
EC30	EC300K-2SA1ACN	Visit Manuals Section under EC30 Home Page

Component Version

Component / Description	Version
ActiveEdge	2.5.16
AnalyticsMgr	2.4.0.1251
Audio (Microphone and Speaker)	0.43.0.0
Battery Management	Version : 1.4.2
Battery Swap [Enhanced]	Version : 2.2.0
Bluetooth Pairing Utility	Version 3.16
Data Analytics	3.6.0.1004
DataWedge	7.5.44
Device Central	2.1.0.9
Diagnostic Tool	v1.18.0.3
EMDK	7.5.21.2521
Enterprise Keyboard	2.2.2.3
Fota	1.0.0.3
License Manager and License Agent	version 3.2.0 and version 3.2.0.3.2.0
MSRN	2.0.1
MX	MXMF version:9.2.1.6
NFC	NFC_NCIHALx_ARC0.8.4.0
OSX	QCT.81.8.19
PTT Express	3.1.42
Rxlogger and RxLoggerUtility	Version 5.4.16.0 and Version: 1.3.3.11
Scanning Framework	22.2.28.0
Simulscan	Version: 3.0.6 SimulScanEngine: 2.0.9
SMARTMU(WorryFree Wifi Analyzer WFW version)	WFW_QA_2_3.9.0.005_O
StageNow	4.0.0.5
Touch Panel	2.0-Finger-1-0 for Thunder
WLAN	FUSION_QA_2_1.9.0.005_O
Zebra BlueTooth	1.3
Zebra Data Service	3.6.0.1004
Zebra Volume Control (ZVC)	2.2.0.12
Zebra Folders	9.1

Revision History

REV	DESCRIPTION	DATE
1.0	Initial Release	Sep 30, 2019