Release Notes – Zebra TC52 Android Oreo 01-13-20.00-OG-U22-STD Release (GMS)

Introduction

The TC52 Touch Computer builds on the highly successful TC51 product, adding a new platform and new capabilities to deliver the ultimate in enterprise-class touch computing. You get the ultimate user experience — the simplicity of Android with all the business features workers need to maximize productivity and minimize process cycle times. You get the ultimate technology advancements on a cutting-edge platform, maximizing the benefits of mobility today, with the future proofing you need to serve your business tomorrow. You get the ultimate collection of value-add apps, Mobility DNA, with four new complimentary solutions that deliver unparalleled functionality — including the best possible WiFi performance, centralized control of the device update process, control over access to Google Mobile Services (GMS) and more.

Description

Android Oreo 01-13-20.00-OG-U22-STD is a maintenance OS release for TC52. This release documentation contains the details of the OS release – features, instructions, component details, part numbers supported and known issues/limitations.

Change Notes

- Integrates Zebra Value Adds as listed in the Component Version Info section
- Following features are added on top of previous release

- o Dot Code Symbology
- o WiFi Direct
- o Device Tracker
- o VoIP Support for (Aruba, Extreme and WFC)
- o Scanning Screen Indicator

Component Contents

Package Name	Description
HE_RECOVERY_FULL_OSUPDATE_13_20_U00	Full Package Update includes all components
HE_DELTA_UPDATE_12_01_Uxx_TO_13_20_U00	Delta Package that can be used to go from 12_01_Uxx to 13_20_U20 baseline
HE_G_INCREMENTAL_UPDATE_13_20_U22	Incremental Update to bring device software to 13_20_U22

Component Version Info

Component / Description	Version
Product Build Number	**X1-13-20.00-OG-U22-STD**
Android Version	8.1.0
Security Patch level	1/1/2019
Linux Kernel	4.4.78
ABL ARB version	0
x-loader	NA
u-boot	NA
Android SDK Level	27
Platform (TI/MPA/QC etc)	QC SDM660
Bluetooth Stack	NA
Partition Table	NA
Flash Size	32 GB
GPU Version	OpenGL ES 3.2 V@269.0
RAM Size	4GB

Acoustics Profiles	For Lightning TC57 General: G03.7 Cellular: G03.5
ActiveEdge	2.5.16
AnalyticsMgr	2.4.0.1140
Audio (Microphone and Speaker)	0.27.0.0
Battery Management	Version: 1.4.2
Battery Swap	Version : 2.0.1
Bluetooth Pairing Utility	Version 3.14
Data Analytics	3.5.0.1048
DataWedge	7.2.5
Device Central	2.0.22.1
Diagnostic Tool	1.16.1.3
EMDK	7.2.2.2202
Enterprise Keyboard	2.0.1.9
Fota	1.0.0.3
MSRN	2.01
MX	MXMF version:8.4.1.3
NFC	NFC_NCIHALx_ARC0.8.4.0
OSX	QCT.81.8.12.3
PTT Express	3.1.39
Rxlogger	Version 5.4.12.0
Scanning Framework	20.0.52.0
Simulscan	Version: 3.0.6 SimulScanEngine: 2.0.9
SMARTMU(WorryFree Wifi Analyzer WFW version)	WFW_QA_2_3.3.0.002_O
StageNow	Version 3.2.1.0
Touch Panel	2.0-Finger-1-0 for Thunder
WLAN	FUSION_QA_2_1.3.0.012_O
WWAN (Data & Voice)	Baseband Version: W181130A_3.1-00753 HW MBN: SS-LA-SDM660:08100000 AT&T: SW MBN: VoLTE-ATT:081f0334 VZW: SW MBN: CDMAless-Verizon: 08260126
Zebra BlueTooth	1.3
Zebra Data Service	3.5.0.1048
Zebra Volume Control (ZVC)	2.1.0.15
Zebra Folders	8.1

Installation Requirements and Instructions

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

Current Software on Device	Steps Needed to Move to This Release	Comments
12_01_UXX	**Option 1 (Recommended)** Apply Delta Package Update (**HE_DELTA_UPDATE_12_01_Uxx_TO_13_20_U20**) followed by **HE_FP_G_IncrementalPackage_13_20_U22** **Option 2** Apply Full Package Update (**HE_RECOVERY_FULL_OSUPDATE_13_20_U00**) followed by **HE_FP_G_IncrementalPackage_13_20_U22**	Only difference between Option 1 and Option 2 is Size of the update is smaller with Delta Package. (Recommended)
13_20_UXX	Apply Package **HE_FP_G_IncrementalPackage_13_20_U22**	

Device Compatibility

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

Device Part Number	Operating System
TC520K-1PEZU4P-A6	Android O
TC520K-1PEZU4P-NA	Android O
TC520K-1PEZU4P-IA	Android O

Known Issues and Limitations

1. WiFi sleep policy set to "Always" (Android O limitation)
2. When non-GMS device is in lockdown mode and the settings manager app is enabled, available Wi-Fi networks are "unavailable". This feature is working on GMS devices.
3. Issue will occur when device is in GMS Restricted and Enterprise Reset is initiated without setting the SUW flag (example: user manually initiates ER).
4. In Do mode is CSP features are allowed to work, then the ZebraBluetooth app needs to be white listed by default. If not white listed listed all the Bluetooth CSP features will be affected and will not work as expected.

5. if ZebraBluetooth is white listed by default and if any of the Bluetooth CSP feature is configured, and when the ZebraBluetooth app is removed from white list again, then unless the app is white listed again the CSP features can not be configured/changed.

For further information on the product features, please refer to the product reference guide shared under the "Manuals" section on TC52 page.

https://www.zebra.com/us/en/support-downloads/mobile-computers/handheld/tc52.html#pageandfilelist_9cc

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