Release Notes - Zebra TC51, TC70x Android Oreo 02-13-15.00-ON-U08-STD Release (NGMS)

Description

Component Contents

Installation Requirements

Installation Instructions

Device Compatibility

Known Issues and Limitations

Description

This release contains the following software package which is compatible with TC51 and TC70x products. This patch release is cumulative and includes all previous fixes that are part of earlier patch releases.

Component Contents

Package Name	Package Description
CFE_ATLAS_02-13-15.00-ON-U08-STD.zip	OTA incremental CFE v08 update software for NGMS build compatible for TC51 and TC70x products.
ATLAS_ON_ENT_RESET.zip	Enterprise Reset (Erases Data Partitions)
ATLAS_ON_FACT_RESET.zip	Factory Reset (Erases Data & Enterprise Partitions)

Component Version Info

Component / Description	Version
Product Build Number	02-13-15.00-ON-U08-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	20.0.38.0
DataWedge	7.0.4
EMDK	7.0.0.2000
MXMF / OSX	MXMF : 8.2.1.0 / OSX : QCT.81.8.6_3
WiFi	FUSION_BA_2_11.0.0.024_O
	Radio: BA_2_11.0.0.017_O
	Application: BA_2_11.0.0.012_O
	Middleware: BA_2_11.0.0.015_O
	Firmware: 7.35.205.8_20181002
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	3.14
Zebra Data Service	3.4.0.1180
Files	8.1.0
Stage Now	3.1.1.1019
Battery Swap	1.0
User Guide	1.0
ZVC	2.1.0.12
Battery Manger	1.4.2
ActiveEdge	2.5.16
WorryFree WiFi Analyzer	3.2.18
Device Central	1.0.6.0
Zebra Software License Manager	3.1.1
Audio	0.8.0.0

Diagnostic Tool	1.16.0.1
Finger Print	Zebra/TC70x/TC70x:8.1.0/02-13-15.00-ON-U08-STD/200:user/release-keys Zebra/TC51/TC51:8.1.0/02-13-15.00-ON-U08-STD/200:user/release-keys Zebra/TC51/TC51HC:8.1.0/02-13-15.00-ON-U08-STD/200:user/release-keys
Security Patch Level	Feb 01 2019

1. **CFE v08 Updates:**
   ❖ CFE_ATLAS_02-13-15.00-ON-U08-STD.zip (NGMS)

   1. **Android Security Patch Level: February 1, 2019**.
      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/

   2. Updated below mentioned components: For more detail please refer
      http://techdocs.zebra.com
      - o OSX - QCT.81.8.6_3
      - o WLAN
         - o FUSION_BA_2_11.0.0.024_O
         - o Radio: BA_2_11.0.0.017_O
         - o Firmware: 7.35.205.8_20181002
      - o PTT - 3.1.39
      - o ZVC - 2.1.0.12
      - o WorryFree WiFi Analyzer - 3.2.18

Installation Requirements

- ADB installed on the PC (including adb drivers)

- USB debugging turned ON (from Developer options)

- TC51/TC70x/VC 80x/MC33 has:

   - o Version 02-13-15.00-ON-U01-STD.

NOTE:

1. CFE_ATLAS_02-13-15.00-ON-U08-STD should be applied only on top Full image (FPU_ATLAS_02-13-15.00-ON-U01-STD).

2. If the current software version is CFE_ATLAS_02-13-15.00-ON-U08-STD then, upgrade should be performed to versions CFE_ATLAS_02-13-15.00-ON-U13-STD and above.

Installation Instructions

CFE software update procedure for TC51, TC70x:

The installation instructions assume you have ADB installed on your PC (the adb drivers etc..) and your TC51/TC70x has developer options enabled and USB debugging ON. Instructions on HOW TO enable ADB is also captured in the user guide.

1. Connect the TC51/TC70x to the PC using the USB data cable or through the cradle.

2. You 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, you will need to get the PC set up with the proper drivers or install an External SD Card.

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

❖ Download Image
   a) CFE_ATLAS_02-13-15.00-ON-U08-STD.zip listed above in content section

5. Entering Recovery Mode

   a. Choice 1: In Command Prompt, type *"adb reboot recovery"* and click enter.
   b. Choice 2:
      • Reset and hold PTT key
      • When Zebra Technologies logo appears on the screen release the PTT Key

6. Your TC51/TC70x will reboot and put you on the Android Recovery screen.

7. If applying update via sideload Method

   a. Use the Volume + and – to highlight, "Apply update from ADB" and press the Power key to select it for applying OS upgrade package

8. If applying update via External SD card

   a. Use the Volume + and – to highlight "Apply update from SD card" and press the Power Key to select it

b. Use the Volume + and – to highlight package CFE_ATLAS_02-13-15.00-ON-U08-STD.zip and press the Power Key to select it.
c. Go to Step 10 once above steps are completed

9. With your Command Prompt open in the Host machine, type *"adb sideload"* command and add a space and then drag and drop the CFE_ATLAS_02-13-15.00-ON-U08-STD.zip file on to it and click enter.

a. Your PC screen will show files being installed and a little blue horizontal progress bar on your device will show status… and after about 6~ minutes (could be 10+ minutes if installing GMS) it should be done and you should be back at the Android Recovery screen.

10. *"Reboot system now"* is highlighted. Press the Power Key to Reboot.

11. At the Home Screen, we need to verify that the BSP upgrade took place and set the Date & Time.
a. Go to "Settings" and scroll down to "About phone" and look at the "Build number".
It should start with "02-13-15.00-ON-U08-STD release keys". Now you are on the correct BSP.

12. Now you are all set to use your TC51/TC70x.

Device Compatibility

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

TC51	
Device Part Number	**Operating System**
TC510K-2PAZU2P-US	Android M, N, O
TC510K-2PAZU2P-A6	Android M, N, O
TC510K-2PAZU4P-US	Android M, N, O
TC510K-2PAZU4P-A6	Android M, N, O
TC510K-2HDZU2P-US	Android M, N, O
TC510K-2HDZU4P-US	Android M, N, O
TC510K-2HDZU2P-A6	Android M, N, O
TC510K-2HDZU4P-A6	Android M, N, O
TC510K-2PAZU2P-IA	Android M, N, O
TC510K-2PAZU4P-IA	Android M, N, O

TC70x	
Device Part Number	**Operating System**
TC700K-02B22B0-A6	Android M, N, O
TC700K-02B24B0-A6	Android M, N, O
TC700K-02B22B0-US	Android M, N, O
TC700K-02B24B0-US	Android M, N, O

TC700K-02B22B0-IA	Android M, N, O

Supported FIPS and TAA Compliant SKUS:

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

Known Issues and Limitations

1. For an existing Data wedge profile which is configured for Image barcode scanning, if the user updates the profile for SimulScan data capture and reboots the device, the decoder list is shown as blank under DataWedge settings. As a workaround, user needs to use two different Data wedge profiles one for Imager barcode scanning and other profile for Simul scan data capture.

2. Velocity application stops if user use the Android Recent button to close Velocity app. As a workaround, user can close the application from the velocity application client menu.

3. Ethernet shows Connected state when device is configured with Static IP and placed in multi-slot cradle without Ethernet cable.