Zebra WT6000 Android N LifeGuard Update 13
Release Notes - November 2019

Description

This release contains following software package which is compatible with the WT6000 N product. LifeGuard patches are cumulative and include all previous fixes that are part of earlier patch releases. This release documentation contains the details of this release – features, instructions, component details, part numbers supported and known issues/limitations.

Component Contents

Package Name	Package Description
CFE_WT6000_02-12-29.00-NN-U13-STD.zip	CFE package update

Device Support

USA	SKU	Comment
Standard SKU (1 Gb RAM / 4 Gb Flash)	WT60A0-TS0LEUS	
Premium SKU (2 Gb RAM / 8 Gb Flash)	WT60A0-TS2NEUS	Cannot be downgraded to Android L
WT6000,2GB RAM/8GB FLASH, ENGLISH, US	WT60A0-TX2NEUS	
WT6000+KB,2G/8G,St Bat,US	WT60A0-KS2NEUS	
WT6000+KB,2G/8G,Ext Bat,US	WT60A0-KX2NEUS	
Rest of the World		
Standard SKU (1 Gb RAM / 4 Gb Flash)	WT60A0-TS0LEWR	
Premium SKU (2 Gb RAM / 8 Gb Flash)	WT60A0-TS2NEWR	Cannot be downgraded to Android L
WT6000,2GB RAM/8GB FLASH, ENGLISH, WW	WT60A0-TX2NEWR	
WT6000+KB,2G/8G,St Bat,World	WT60A0-KS2NEWR	
WT6000+KB,2G/8G,Ext Bat,World	WT60A0-KX2NEWR	

New in WT6000 N

- **CFE v13 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U13-STD.zip
    - • **Android Security Patch Level:** October 05, 2019 (Critical Patch Level: November 01, 2019)

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-11-01

    - • Added support for RS5100 Ring Scanner.
    - • Added support for WT6000 External Keypad.

Part Number	Model No	Description
KYPD-WT6XANFASM-01	KYPD-WT6X	WT6000 External Keypad Assembly, Alphanumeric and Function, Includes Mounting Cleat

  - • SPR37767 - Resolved an issue wherein scanner stopped working during rapid scanning with hard trigger.
  - • SPR37584 - Fixed an issue where device WiFi not waking up on time to receive the buffered packets from the AP.
  - • SPR37601 - Resolved an Issue where English Ireland(en_IE) and Spanish Mexico (es_MX) locales were not being applied successfully through Stagenow.
  - • SPR38118 - Fixed an issue where disabling Airplane mode via StageNow was not working.
  - • SPR37434 - Fixed an issue wherein the device becomes warm after pushing Wi-Fi configuration through StageNow.
  - • SPR38531 - Added a Bug report menu inside Power Button Menu list.
  - • SPR37841 - Fixed an issue where device WiFi not waking up on time to receive the buffered packets from the AP.

- **CFE v12 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U12-STD.zip
    - • **Android Security Patch Level:** October 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-10-01

    - • Updated below mentioned components: For more detail please refer
      http://techdocs.zebra.com
      - o DataWedge version – 7.3.26
      - o EMDK version – 7.3.21.2321

- **CFE v11 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U11-STD.zip
    - • **Android Security Patch Level:** August 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-08-01

    - • Updated below mentioned components: For more detail please refer
      http://techdocs.zebra.com

- o DDT version – 1.17.0.9
- o StageNowClient version – 3.3.1.2000
- o Event injection Service version – 1.0.0.5
- o MXMF version – 9.0.4.3

- B2M client included in disabled mode.
- SPR35062 – Fixed an issue wherein setting Default Launcher was failing when more than one third party launcher was installed in the device.
- SPR34771 – Resolved synchronization issue while checking with accessmanager.
- SPR35928 – Resolved an issue where Clock Manager CSP accepts timezone id in "/Etc" Olson format.
- SPR36994 - Resolved MX initialization issue wherein EHS was calling MX before completion of MX initialization process.
- SPR36958- Resolved an issue wherein disabling Airplane Mode using PowerKey Manager is not working.
- SPR36768- Resolved an issue wherein EHS Hostname in title was not reflecting updated HostName after device reboot.
- DataWedge version – 7.3.25
- SPR37060 – Resolved an issue wherein Datawedge was not disabling the scanner upon resume during app transition from background to foreground causing intermittent scanning failures.
- SPR37124 – Resolved an issue where in ADF rule with crunch spaces was removing last character from barcode data with space.
- EMDK version – 7.3.20.2320
  - SPR36925 – Resolved an issue wherein scanner was not available for second app when an ANR or crash occurred on the first app.
- EnterpriseKeyboard version –2.1.1.3
  - SPR34093 – Resolved an issue wherein AutoCapitalization was not working when you navigate away from Alpha keyboard prior to typing.
  - SPR35603 – Resolved an issue wherein Enterprise Keyboard was not visible when external USB keyboard was connected.
  - SPR37353– Enabled remapping of the right-side emoji icon in the EKB, both left and right emoji icons will be remapped to same key.
- Scanner Framework version – SF_19.57.37.0
  - SPR37175 – Fixed an issue wherein Two apps can enable the same scanner without one app releasing it.

- **CFE v10 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U10-STD.zip
    - **Android Security Patch Level:** May 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-05-01
    - SPR36830 – Resolved an issue where BT HS3100 voice re-calibration required when other headsets are used.

- **CFE v9 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U09-STD.zip
    - **Android Security Patch Level:** April 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-04-01

- **CFE v8 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U08-STD.zip
    - **Android Security Patch Level:** March 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-03-01

    - **Updated below mentioned components:**
      - WiFi – FUSION_BA_1_10.0.3.019_N
    - SPR36111 – Resolved an issue where WiFi connection drops and unable to recover till a reboot.

- **CFE v7 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U07-STD.zip
    - **Android Security Patch Level:** February 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-02-01

    - SPR36331 – Resolved a device reboot issue where DHCP Option received with more than expected length.

- **CFE v6 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U06-STD.zip
    - **Android Security Patch Level:** January 05, 2019

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2019-01-01

- **CFE v5 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U05-STD.zip
    - **Android Security Patch Level:** December 05, 2018

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2018-12-01

- **CFE v4 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U04-STD.zip
    - **Android Security Patch Level:** November 05, 2018

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2018-11-01

- **CFE v3 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U03-STD.zip
    .
    - • **Android Security Patch Level:** October 05, 2018

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2018-10-01
  - • B2M client included in disabled mode.
  - • SPR35849 – Resolved an issue wherein KeyProgrammer fails to open via Device settings.

- **CFE v2 Updates:**
  - ❖ CFE_WT6000_02-12-29.00-NN-U02-STD.zip
    - • **Android Security Patch Level:** September 05, 2018

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2018-09-01

    - • Updated below mentioned components:
      - • Diagnostic Tool: Version 1.16.0.1
      - • OEMConfig: Version 8.1.0.9
      - • Enterprise Keyboard: Version 1.9.0.4
      - • DataAnalytics – Version 3.3.0.1113

    - • MX, StageNow, EMDK, Datawedge component updates:
      Note: For detailed release notes, please refer
      http://techdocs.zebra.com
      - • MX: Version 8.1.0.10
      - • StageNow Client: Version 3.1.1.1018
      - • EMDK: Version 6.10.12.1312

    - • SettingsEULA has been renamed to Zebra Data Services.
    - • Included Zebra Software License Manager v3.1.1.
    - • CVE-2018-5383 was corrected preventing unauthenticated BT pairing.
    - • WiFi – FUSION_BA_1_10.0.1.017_N
      - • SPR34999 – Resolved a WLAN disconnection issue in 2.4GHz band with BT operation.
    - • Datawedge: Version 6.9.49
      - • SPR34429 – Resolved an issue wherein DataWedge failed to load "default Profile0".
      - • SPR34614 – Resolved an issue in DataWedge wherein scanner could not be enabled due to quick enabling and disabling of scanner through Intents.
      - • SPR34972 – Implemented new parameters in scanner_input_plugin API so that the API takes considerably less time to suspend/reenable of the scanner

- **CFE v1 Updates:**
  - ❖ CFE_WT6000_P01_NN_02-12.29.zip
    - • **Android Security Patch Level:** August 05, 2018

      Use the link below to see the Android Security bulletin for more information:
      https://source.android.com/security/bulletin/2018-08-01

Component / Description	Version
Product Build Number	02-12-29.00-NN-U13-STD.
Android Version	7.1.1
Linux Kernel	4.1.15
Android SDK Level	25
Platform	Freescale imx6
Bluetooth Stack	Android 7.1.1
Flash Size	4GB/8GB
RAM Size	1GB/2GB
Scanning	19.61.37.0
DataWedge	7.3.32
EMDK	7.3.22.2322
MXMF / OSX	MXMF: 9.0.9.1/ OSX: FSL.71.7.8.3
WiFi	FUSION_BA_2_10.0.4.029_N Application: BA_2_10.0.1.013_N Radio: BA_2_10.0.4.025_N Middleware: BA_2_10.0.1.016_N Firmware: 7.35.205.8(r)
PTT	3.1.35
Touch FW	27
RxLogger	5.4.13.0
Elemez (B2M client)	1.0.0.408
Bluetooth Pairing Utility	3.9

DataAnalytics	3.3.0.1113
File Browser	1.19.1.5
Enterprise Keyboard	2.1.1.3
Stage Now	3.3.1.2001
App Gallery	3.0.1.7
User Guide	1
Sensors (Accel, Gyro)	3060105
MobiControl	N/A
Zebra Volume Control	2.0.0.13
Battery Manager	1.5.3
ActiveEdge	N/A
WorryFreeWifi (SmartMU)	N/A
Device Central	2.1.0.17
Audio	0.6.0.0
Diagnostic Tool	1.17.0.9
Ivanti Velocity	2.0.0.18010.9605437
FingerPrint	Zebra/WT6000/WT6000:7.1.1/02-12-29.00-NN-U12-STD/190919:user/release-keys
Security Patch Level	2019-10-05
Zebra Software Licensing	3.1.1
Event injection Service	1.0.0.5
GMS Version	N/A
Zebra Data Service	3.6.0.1034

Requirements

1. Requires powered cradle with USB cable or USB Charge cable.
2. Requires Host PC computer.

Notes:

1. The internal battery must be charged to at least 30% to update using recovery mode.

Usage Notes

- The default mapping for the P3 key is configured as an ENTER command from LG 13 Onwards, on earlier LG it was mapped to Button_L2.

Known Issues

- "Zebra Data Service plugin has stopped" or "Oeminfo has stopped " pop-up might be observed while downgrading from latest patch (LG13) to older patches.

Important Links

Installation and setup instructions

Process through Device Storage:
1. Download "CFE_WT6000_02-12-29.00-NN-U13-STD.zip" (LifeGuard Update 13) from Zebra Support Site to a host computer.
2. Attach the USB Charge Cable to the WT6000 and to the host computer.

   Or

   Place the WT6000 in a powered cradle. Connect a USB cable from the cradle to the host computer.
3. Copy the zip file from the host computer to the root of WT6000 internal storage.
4. Press and hold the Power key until the menu appears.
5. Select Reboot.
6. Select OK and then immediately press and hold the P1 key until the Recovery Mode screen Appears.
7. In the Recovery Mode screen, press P2 key to scroll down to "Apply update from emulated storage."
8. Press P3 key.
9. After installation completes, the Recovery Mode screen appears.
10. If resetting the device to Factory Reset, Enterprise Reset or recovery update, select the applicable zip file and repeat the step above.
11. Ensure that Reboot system now is selected.
12. Press P3 key to reboot the device. The Zebra Android screen appears, and the device vibrates. The WT6000 splash screen then appears with five white dots moving. After a little over 4 minutes the Home Screen appears.

Process through adb sideload:
1. Connect the USB cable from your PC to the device.
2. Go to PC's Command Prompt, type "adb devices" you should get you connected device in the list with key.
3. Enter "adb reboot recovery" from Command Prompt
4. Click on P1 key or P2 key to navigate to the "apply update from ADB" option.
5. Click on P3 key to select the option.
6. On device, once you get the message, "Now send the package...", enter adb sideload add space at the end, then drag and drop the zip file CFE_WT6000_02-12-29.00-NN-U13-STD.zip, from PC's Command Prompt.
7. Once you get highlighted "reboot system now", Click on P3 key to reboot the device.

After installation completed, there are 2 methods to check CFE package installed correctly:

    a. Settings->About Device-> SW components -> Device Update Version: 13

    b. ADB Shell method: Execute following command from PC's command prompt:

        $ adb shell getprop ro.device.patch.version

        $ 13

About WT6000

For warehousing and manufacturing customers who want to improve worker productivity, the WT6000 offers industry leading ergonomics, a modern touch-centric user experience and time saving features, such as NFC tap to pair.

- 6% smaller and 27% lighter than the previous generation wearable computer, so more comfort and less fatigue for workers
- NFC reader, for quick tap-to-pair with ring scanners, wireless headsets and mobile printers
- All Touch TE, which enables seamless migration of legacy TE green screens to an intuitive touch screen interface
- Shared PowerPrecision+ battery with the RS6000 ring scanner, for simplified battery management.