

Release Notes – Zebra WT6000 Android N 02-12-29.00-NN-U00 Release for AOSP

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Introduction

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

Description

Android N **02-12-29.00-NN-U00** (AOSP) is the first Android Nougat Production Release to support the WT6000. Note that this release replaces Android N **02-11-16.00-NN-U00** which was posted for a limited time. Do not use **02-11-16.00-NN-U00** as this release does not support future Lifeguard patches.

This release documentation contains the details of this OS release – features, instructions, component details, part numbers supported and known issues/limitations.

Zebra Value Adds Feature List (from Android L)

Components	New Features	Comments
Scanning	Added support for RS507x	
RxLogger	Chathhead Overlay for Log Viewing RX Logger Utility	
Stage Now	Added support for RS507x	
DataWedge	Added support for RS507x	
EMDK	Added support for RS507x	
OEMConfig	New for Android N. Allows EMMs to manage Zebra specific settings via Google Enterprise architecture.	
Device Central	Added support for RS507x	
Data Analytics	Added Flash Stats. Replaces functionality of Elemex / B2M	
WLAN	WPS, Wi-Fi Direct	
Launcher	Support for Launcher 3	
Ivanti Velocity	Integrated Velocity ATTE 2.0	

Device Compatibility

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

USA	SKU	Comment
Standard SKU (1 Gb RAM / 4 Gb Flash)	WT60A0-TS0LEUS	Upgrade package from Android L to Android N
Premium SKU (2 Gb RAM / 8 Gb Flash)	WT60A0-TS2NEUS	Cannot be downgraded to Android L
Rest of the World		
Standard SKU (1 Gb RAM / 4 Gb Flash)	WT60A0-TS0LEWR	Upgrade package from Android L to Android N
Premium SKU (2 Gb RAM / 8 Gb Flash)	WT60A0-TS2NEWR	Cannot be downgraded to Android L

Component Contents

Package Name	Description
WT6000_N_FPU_AOSP_12_29.zip	AOSP Full Package Update includes all components
WT6000_N_Ent_Reset_AOSP_12_29.zip	Enterprise Reset (Erases Data Partitions)
WT6000_N_Fact_Reset_AOSP_12_29.zip	Factory Reset (Erases Data & Enterprise Partitions)

Component Version Info

Component / Description	Version
Product Build Number	02-12-29.00-NN-U00
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	19.21.37
DataWedge	6.7.47
EMDK	6.8.21.1121
MXMF / OSX	MXMF: 7.2.1.1 / OSX: FSL.71.7.5.1
WiFi	FUSION_BA_1_10.0.0.017_N Application: BA_1_10.0.0.006_N Radio: BA_1_10.0.0.016_N Middleware: BA_1_10.0.0.011_N Firmware: 7.35.205.8(r)
PTT	3.1.35
Touch FW	27
RxLogger	5.4.11.0
B2M	N/A
Bluetooth Pairing Utility	3.9
DataAnalytics	3.0.0.1289
File Browser	1.19.1.2
Stage Now	2.10.1.1389
App Gallery	3.0.1.7
User Guide	N/A
Sensors (Accel, Gyro)	3060105
MobiControl	N/A
ZVC	2.0.0.13
Battery Manager	1.5.2
ActiveEdge	N/A
SmartMU	N/A
Device Central	1.0.5.0
Audio	0.6.0.0

Diagnostic Tool	1.15.0.11
Ivanti Velocity	2.0.0.18010.9605437
FingerPrint	Zebra/WT6000/WT6000:7.1.1/02-12-29.00-NN-U00/180629:user/release-keys
Security Patch Level	2018-05-05
GMS Version	N/A

Installation 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.

Installation Instructions

1. Download the Full Package Update file from Zebra Support Site to a host computer.
2. Attach the USB Charge Cable to the WT6000 and to the host computer.
2. or
3. Place the WT6000 in a powered cradle. Connect a USB cable from the cradle to the host computer.
4. Copy the zip file from the host computer to the root of WT6000 internal storage.
5. Press and hold the Power key until the menu appears.
6. Select Reboot.
7. Select OK and then immediately press and hold the P1 key until the Recovery Mode screen appears.
8. In the Recovery Mode screen, press P2 key to scroll down to "Apply update from emulated storage."
9. Press P3 key.
10. After installation completes, the Recovery Mode screen appears.
11. If resetting the device to Factory Reset or Enterprise Reset, select the applicable zip file and repeat the step above.
12. Ensure that Reboot system now is selected.

13. 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.

Known Issues and Limitations

1. Upgrading / downgrading Android L SKUs (WT60A0-TS0LEUS, WT60A0-TS0LEWR) to Android N will cause the Data partition to be reformatted. It is equivalent to performing an Enterprise Reset after the upgrade / downgrade.
2. Upgrading Android L SKUs (WT60A0-TS0LEUS, WT60A0-TS0LEWR) to Android N will result in slightly less battery run time.
3. Downgrading Android N SKUs (WT60A0-TS2NEUS, WT60A0-TS2NEWR) to Android L is not supported. This error message will appear: "This package only for standard SKU"
4. A version of Ivanti Avalanche compatible with Android Nougat was not available for testing on this release. Avalanche for Nougat will be verified on the WT6000 once it is available.
5. Simulscan is not supported.

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