



Release Notes

Zebra ET51/ET56 Tablet Software Rev. 030123-Z02

Windows 10 IoT Enterprise LTSC 2019 OS Recovery Package

Device Support

Hardware SKUs supported in this release: all ET5X 8"/10" SKUs in production after April 3, 2023.

Known Constraints

- Release is intended to replace current production release rev. 01.00.43 (Windows 10 Enterprise 20H2 SAC) and should be used for newly manufactured devices only.
- Release is not backward compatible with ET5X devices manufactured before April 3, 2023 and shouldn't be used to upgrade any existing devices running Windows 10 Enterprise 20H2 SAC OS.
- Web posting of the Recovery Package will be restricted to devices with Serial numbers which were manufactured using this release only.

Software Recovery Package Information

Name	Description
ET5X-LTSC2019-030123-Z02.zip	ET51/ET56 USB Recovery Package file rev. 030123-Z02
Microsoft Windows 10 OS	Windows 10 IoT Enterprise LTSC 2019
ET5X BIOS Firmware	4.66
ET5X Embedded Controller Firmware	1.30

WWAN Software Information

The WAN driver and all device firmware is the same as in Windows 10 Enterprise 20H2 SAC rev. 01.00.43

Component / Description	Version
WWAN Telit AAVA Installer package	1.0.1.28
Telit LN940 Mobile Broadband driver	10.0.17763.771
Telit Device Firmware	T77W676.F0.0.0.4.7.GC.017.039

Major Software Components Information

Component / Description	Version
Zebra OS Build Revision	030123-Z02
Windows 10 Enterprise LTSC 2019 OS build	10.0.17763.4010
Windows 10 Enterprise LTSC 2019 OS version	1809
Windows 10 LTSC 2019 QFE Update Date	February 21, 2023
Intel(R) Chipset Device Software	10.1.17570.8068
Intel(R) Serial IO (I2C, UART, SPI)	5.123.1.1021
Intel(R) Pentium(R) Processor Host bridge, LPC, PCIe, SMBUS	10.1.17.1
Intel(R) HD Graphics 500, Control Panel, Command Center	27.20.100.8935
Intel(R) Trusted Execution Engine Interface	3.0.0.1115
Intel(R) Integrated Sensor Solution	3.0.0.3418
Intel(R) AVStream Camera and Imaging Signal Processor 2600	40.14393.1.5630
Intel(R) GPIO Controller	5.3.4.1012
Intel(R) Dynamic Platform and Thermal Framework	8.3.10208.5644
Intel(R) Smart Sound Technology (SST)	9.22.0.2335
Intel(R) SST Audio Controller and OED	9.22.0.2767
Intel(R) Dual Band Wireless-AC 8265	20.70.19.1
Intel(R) Wireless Bluetooth(R)	22.140.0.4
Intel(R) Flash LM3554	21.10154.5915.371
Camera Sensor OV2740	14.32.42.711
Camera Sensor OV8856	14.36.13.809
TI USB Audio DAC (VID_08BB&PID_27C6)	10.0.17763.4010
NXP Proximity NFC client driver	12.0.6.0
ST Micro GNSS driver	1.0.15.0
Zebra E-Label application	1.0.6
Zebra Know your tablet application	3.6.5

Installation Notes

To apply the image, create bootable installation USB Stick and follow the steps below.

This is critical: Only FAT32 format is recognized by the tablet BIOS for the steps below.

Note: Use 16GB stick or larger.

1. Insert USB stick to Windows PC.
2. From Windows Explorer right click USB stick and Format to FAT32.
3. Give the USB stick a name (like "ET5X_030123") by right click in Explorer and rename.
4. Download OS image zip file, extract the contents into a folder and copy entire contents of the folder to the root of the formatted installation USB stick.

NOTE: Make sure image is downloaded completely. Check the size of the downloaded image versus image posted on the Support Central at Zebra.com. Partial downloads may corrupt the device.

5. Attach AC power and power off the tablet.
6. Attach installation USB stick to tablet USB port or external USB hub.
7. Power on the tablet, at first Zebra logo splash screen, press ESC repeatedly to access the BIOS boot menu.
8. At the BIOS boot menu select Boot Manager and press Enter
9. At Windows Boot Manager menu select the inserted USB device ("EFI USB Device").
10. Installation automation will load the recovery image files and attempt to upgrade BIOS/EC if existing revisions are older.
11. When the software installation is complete, device will reboot and begin the Out Of Box Experience phase of the Windows Installation
12. After the OOBE is complete, remove the USB stick.
13. To complete the installation, wait for 5 minutes and reboot the device.
14. If device was not connected to Internet during OOBE, please connect it to Internet to activate Windows.
15. Note: connecting device to Internet also allows Windows to check for updates and immediately start installing all Windows updates relevant to Windows 10 Enterprise LTSC 2019 OS.

New Features

- N/A

Resolved Issues

- Improved GPS location consistency and reduced fix acquisition time

Important Links

- [Zebra Techdocs](#)
- [Developer Portal](#)
- [ET51 Support Page](#)
- [ET56 Support Page](#)

Revision History

Rev	Description	Date
1.0	Initial revision	March 06, 2023
1.1	Added USB Audio DAC revision	March 08, 2023
1.2	Added detailed SW Revision information and WAN firmware version	March 09, 2023
1.3	Updated OS build version and GNSS driver revision	March 31, 2023
1.4	Added revisions of all major software components	April 4, 2023
1.5	Updated Known Constrains section clarifying hardware applicability	April 6, 2023
1.6	Made minor changes to Known Constrains and Installation Notes	April 11, 2023