

Zebra ET5X Windows 10 Upgrade Instructions:

Contents

Introduction	2
Creating Installation USB Stick	2
Using ET5X Comm Cradle	3
Using USB Hub	4
Updating OS	4
Checking the versions	121
Check ULPMC Version	121
Check BIOS Version	132
Check WIN 10 Release Version	132
Creating a bootable USB	154

Version 3.0

Introduction

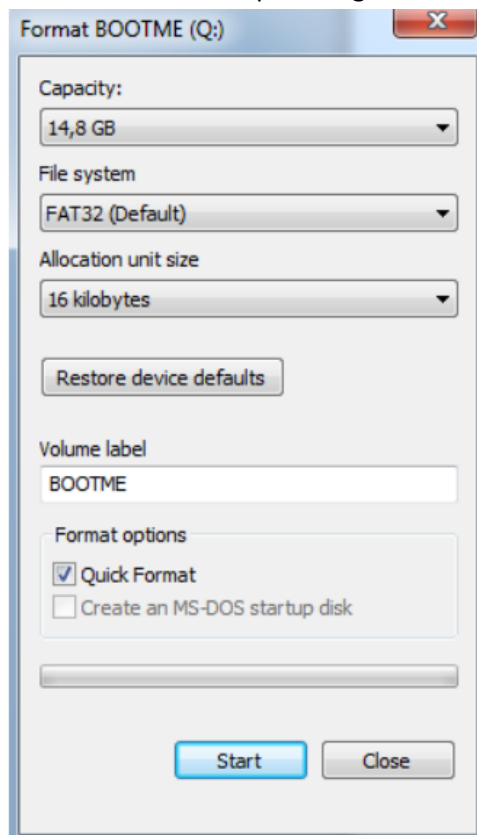
- Update only needed if you are running an older release of the software. To check your version, see this section [Checking the versions](#)
- All data on the tablet will be erased upon installation.
- Windows 10 Activation takes place only after device connects to Wi-Fi.

Creating Installation USB Stick

Follow these steps to create bootable installation USB stick. This is critical: Only FAT32 format is recognized by the tablet BIOS for the steps below. Note: **Use 8GB stick or larger.**

NOTE: In the past we have encountered few instances where some USB Sticks are not recognized by ET5x properly. We would recommend using SanDisk [8/16/32 GB] in such cases since we never saw any issues with this particular brand.

1. Insert USB stick to host PC.
2. From Windows Explorer right click USB stick and Format to FAT32, as in the figure below:



3. Rename stick as "BOOTME" by right click in Explorer and rename.

Connecting External USB Devices to Tablet

Connect to a keyboard and mouse since the touch screen functionalities are disabled in BIOS mode. Use either setup:

- Using ET5X Comm cradle
- Using USB Hub

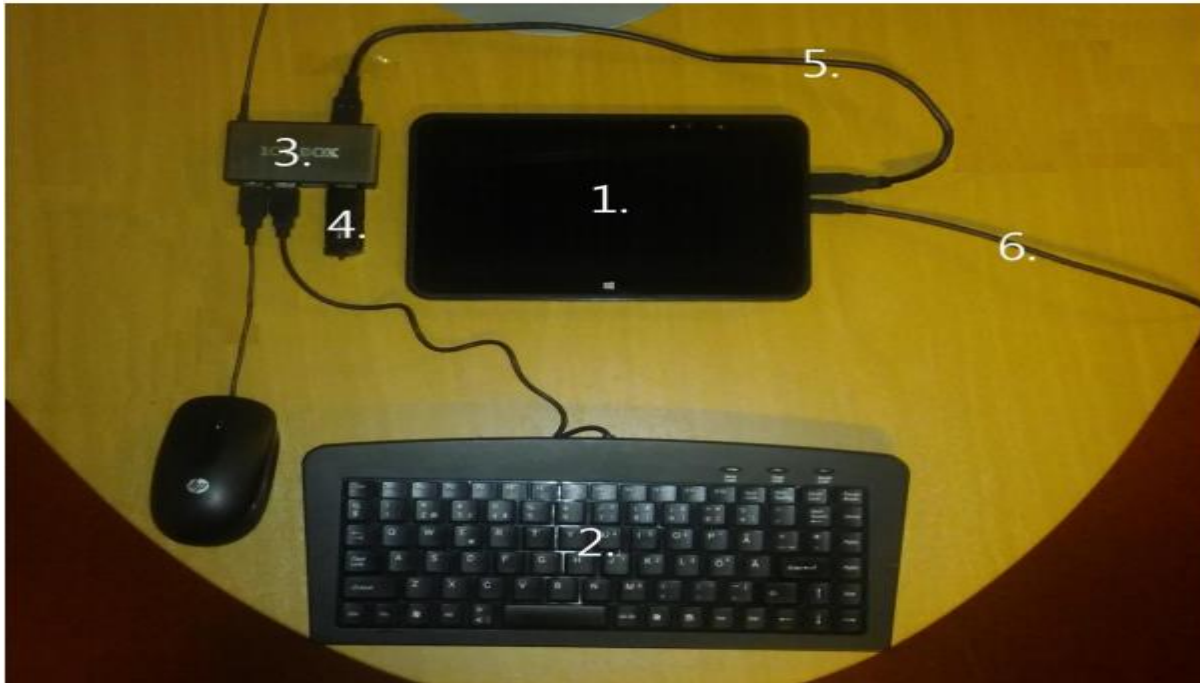
Using ET5X Comm Cradle

Use a Zebra cradle - CRD-ET5X-1SCOM1 or CRD-ET5X-1SCOM1R– that has the USB ports on the back.



1. ET50/ET55 tablet
2. ET5X cradle with external power cable
3. Bootable installation USB stick connected to tablet USB port
4. USB keyboard connected to cradle
5. USB mouse connected to cradle

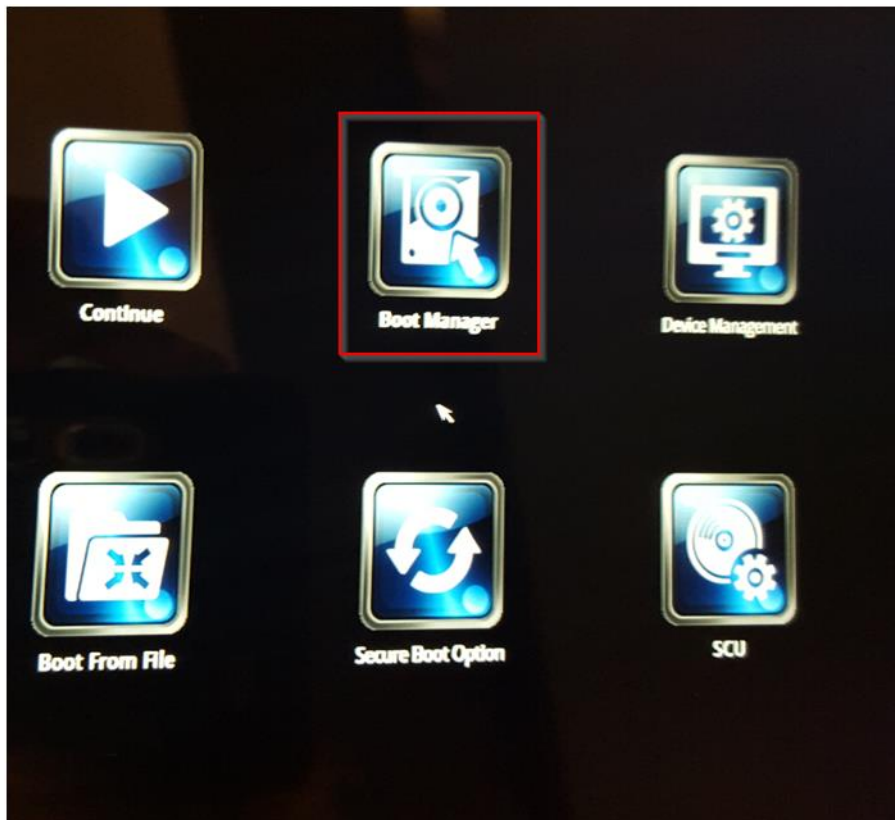
Using USB Hub



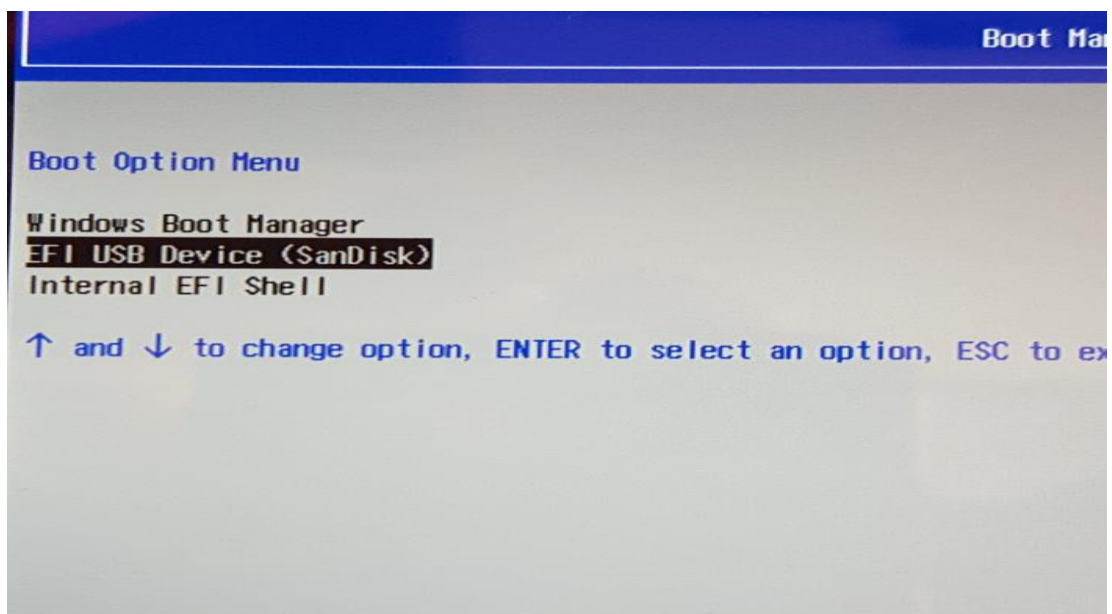
1. ET50/ET55 tablet
2. USB keyboard connected to USB hub
3. USB hub with external power source
4. Bootable installation USB stick connected to USB hub
5. USB cable connecting hub to tablet USB port
6. USB charger connected to tablet micro USB port

Updating OS

1. Extract the downloaded **WIN10-ZEBRA-R1.0-0XX-X64-ENT-autoinstaller.zip** to a folder. **Copy the entire contents of this folder to 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. Partial downloads may corrupt the device.
2. Attach installation USB stick to tablet USB port/USB hub. **DO NOT CONNECT TO USB PORT ON BACK OF CRADLE.**
3. Startup the device by turning power source on and pressing power button on device.
4. When BIOS logo is seen, press ESC button from keyboard.
5. Device boots to BIOS.



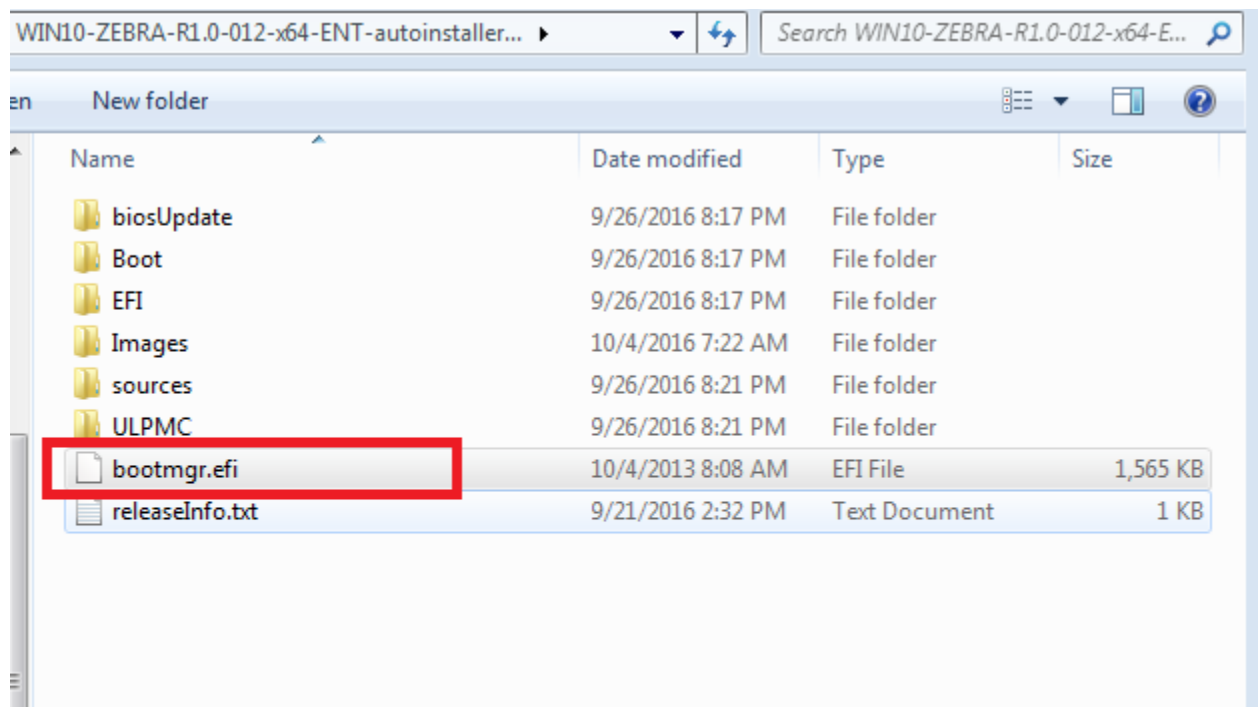
6. Select “**Boot Manager**” with keyboard and press ENTER.



7. When USB stick is attached three items are listed:

- Windows Boot Manager
- EFI USB Device (USB stick)
- Internal EFI Shell

Select “**EFI USB Device**” using the “down arrow” from the keyboard and press ENTER. If Boot Manager dose not display EFI USB Device (USB stick) confirm that the USB is formatted as FAT32 and bootmgr.efi file is visible in the USB stick. Re-seat the USB in the USB port and try again. If the problem, persist see the “[Create a Bootable USB](#)” section at the end of this document.



8. Device boots to WinPE and installs OS and BIOS. Installation will take about 9 minutes.
9. When complete user will see the following screen.


```
X:\windows\system32\cmd.exe - startnet.cmd

Applying image
[-----100.0%-----]
The operation completed successfully.

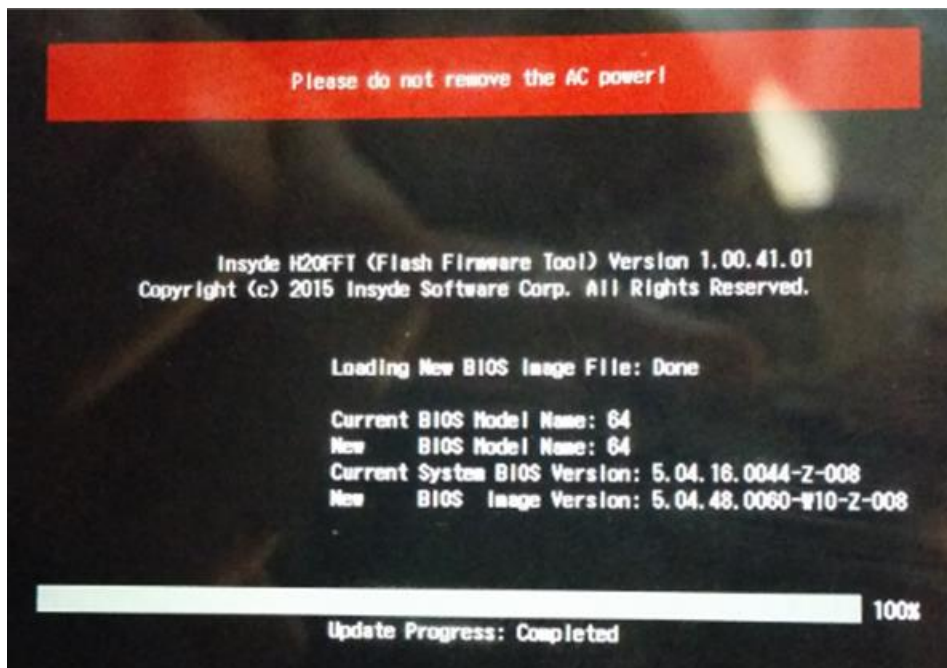
Deployment Image Servicing and Management tool
Version: 6.3.9600.16384

Applying image
[-----100.0%-----]
The operation completed successfully.

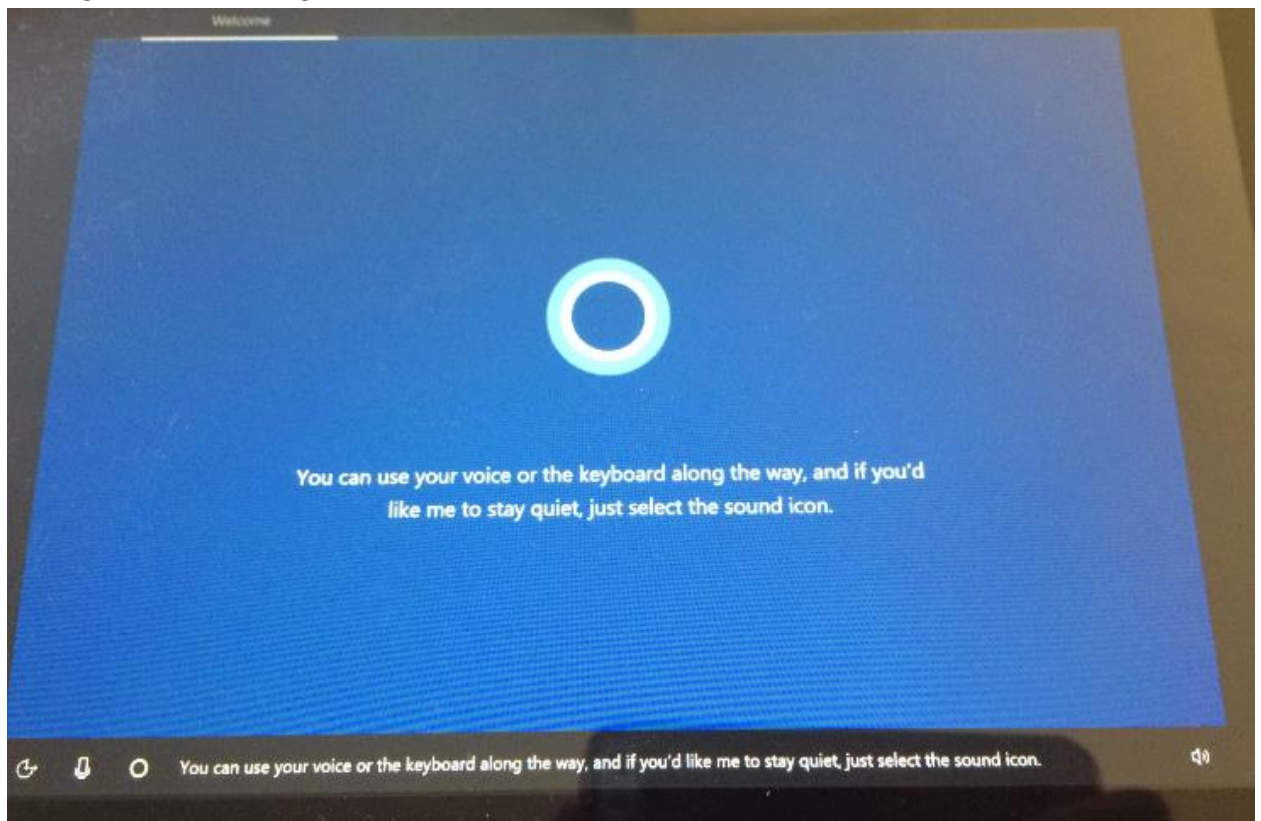
Deployment Image Servicing and Management tool
Version: 6.3.9600.16384

Applying image
[-----100.0%-----]
The operation completed successfully.
Configure windows
The operation completed successfully.
The operation completed successfully.
The operation completed successfully.
The operation completed successfully.
Windows flashed
```

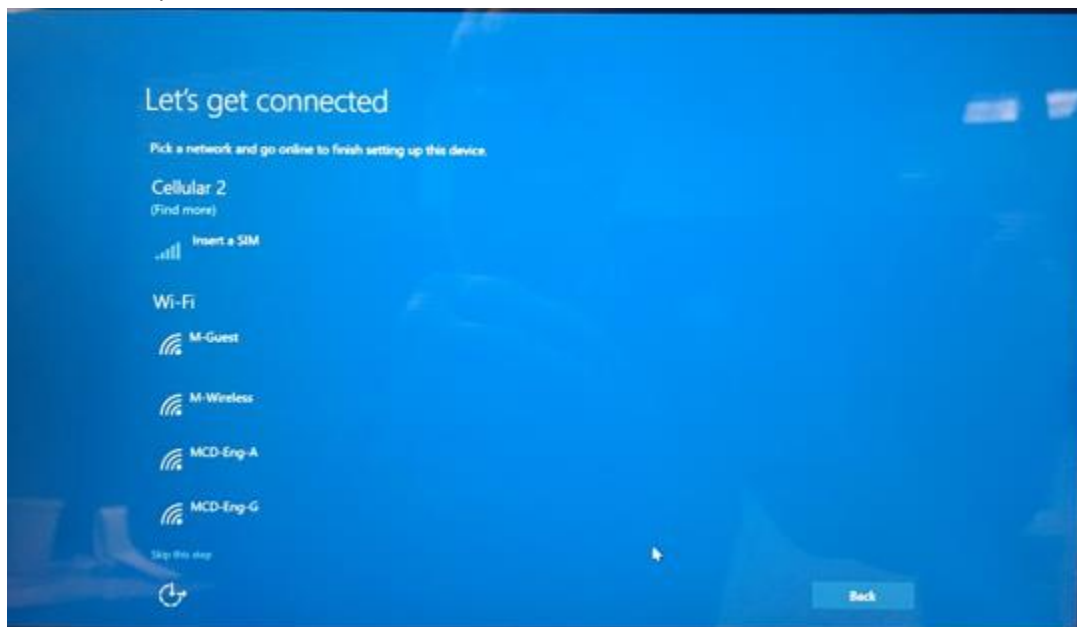
BIOS Update



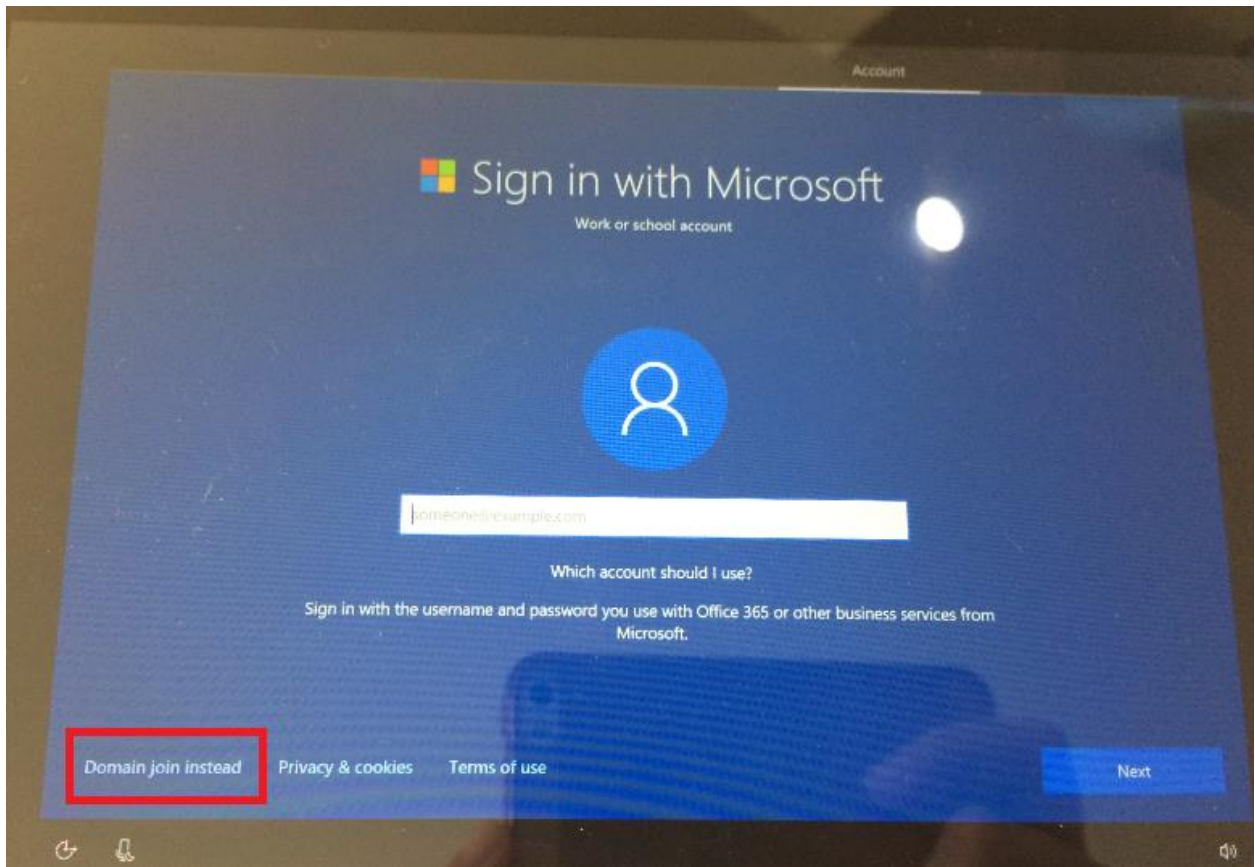
10. Device reboots, and the following screen comes up with Cortana voice and executes the Windows preliminary setup and user is prompted to create a profile .Audio can be disabled by clicking on the bottom right corner audio icon.



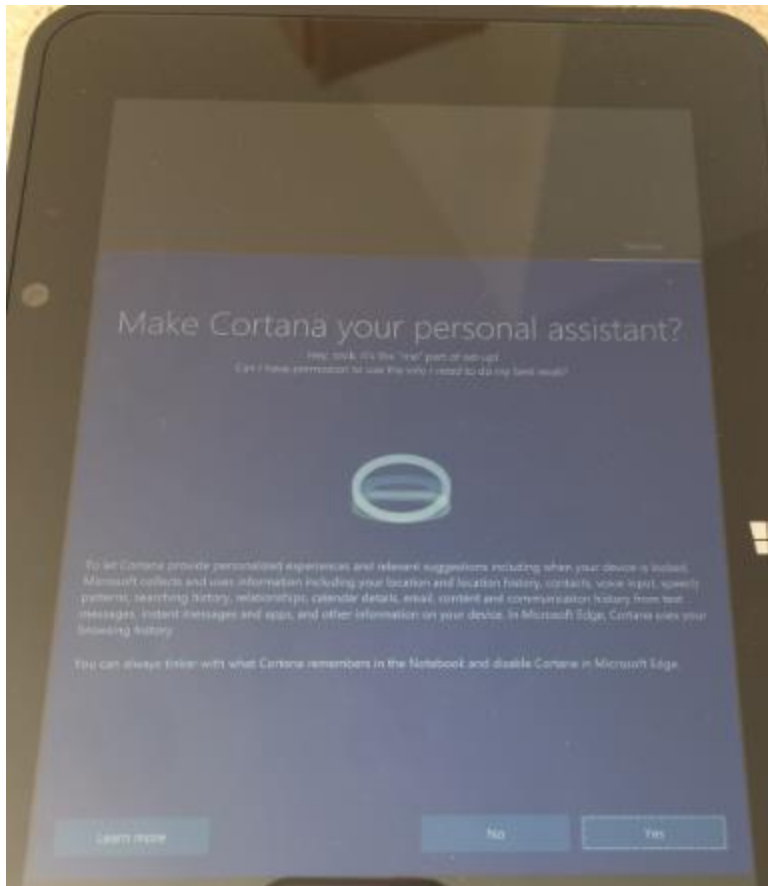
11. User is Prompted to connect to a WiFi



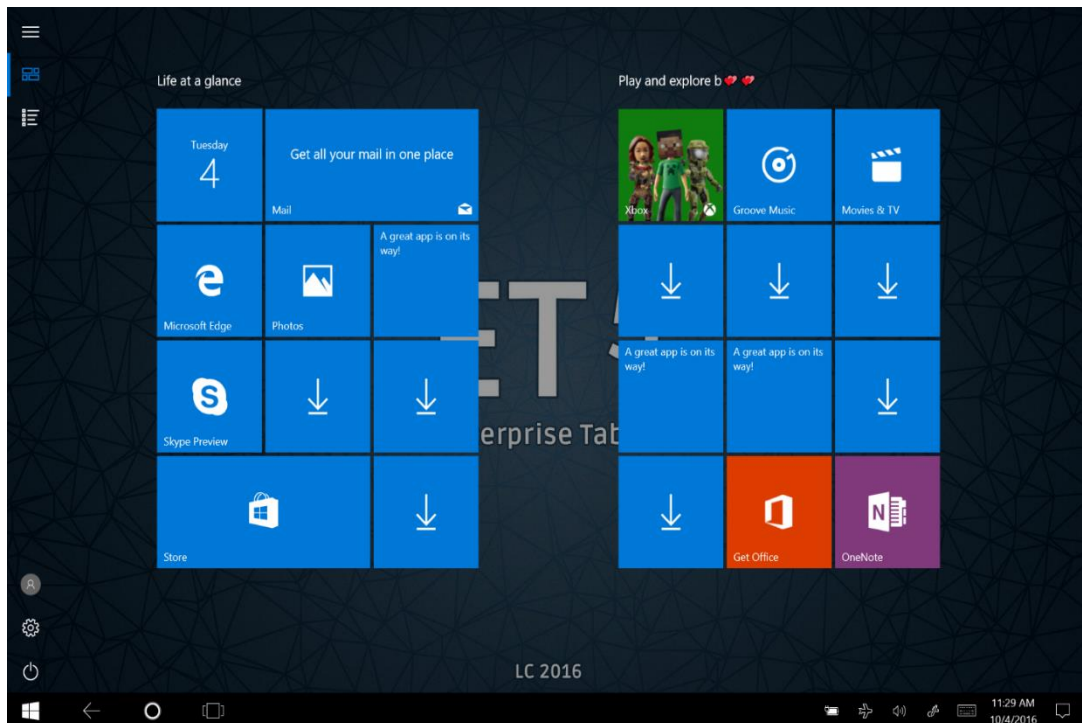
12. If you connect to a WLAN you will be prompted to choose to join an Azure or Local Active Domain. If not sure you can choose **Local Active Domain** and Click on “Next”.



13. Once user profile is created device boots to Windows 10 screen. User gets prompted to use Cortana and the Windows 10 Desktop appears followed by recommended settings by Microsoft. See below



When WLAN is not connected



With WLAN connection



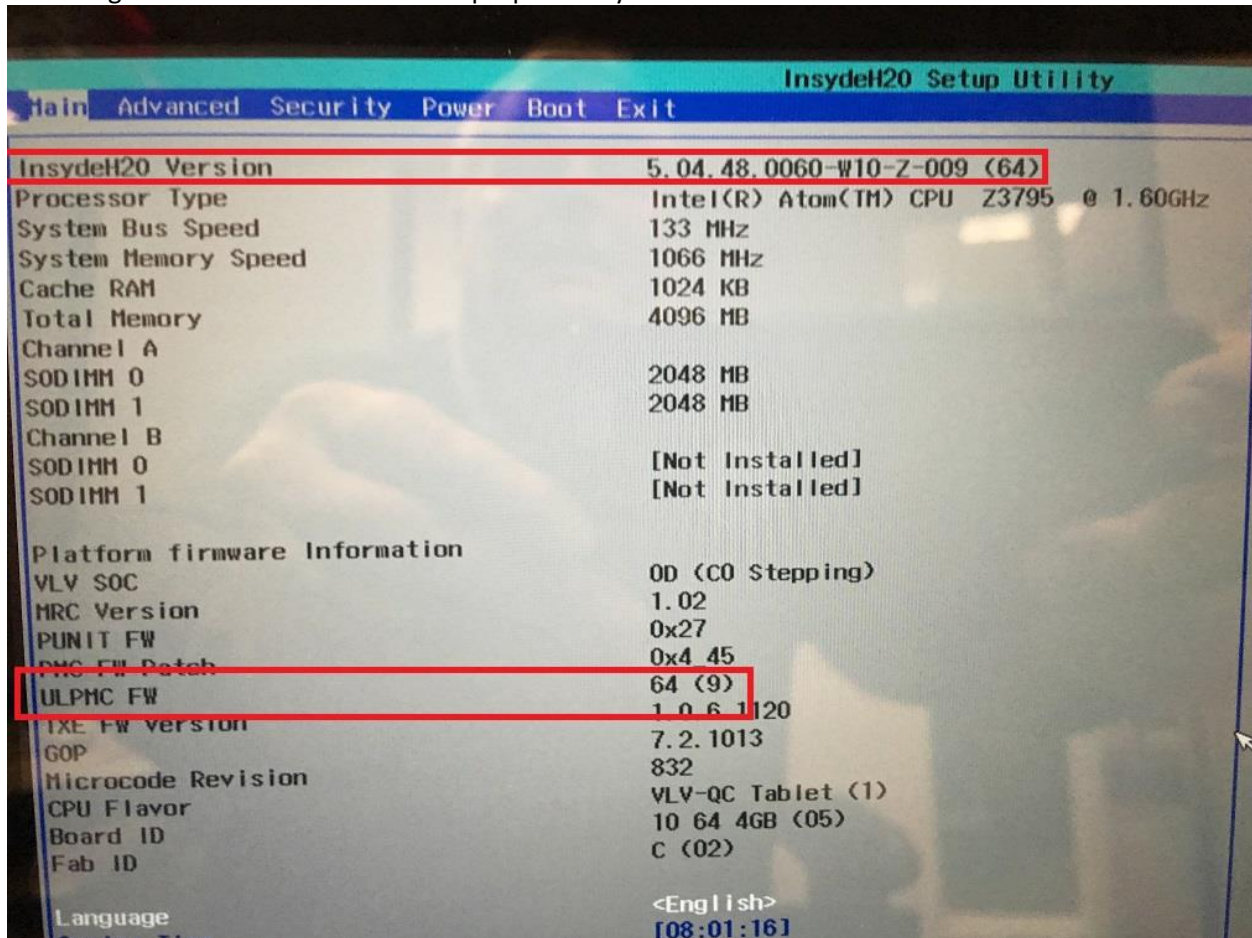
Checking the versions

The following versions should match the versions reported in the target version release note. Boot to BIOS Menu: If using USB keyboard, press ESC. If not, press volume Up + volume Down before boot, then press power button while still holding the volume buttons down.

Check ULPWC Version

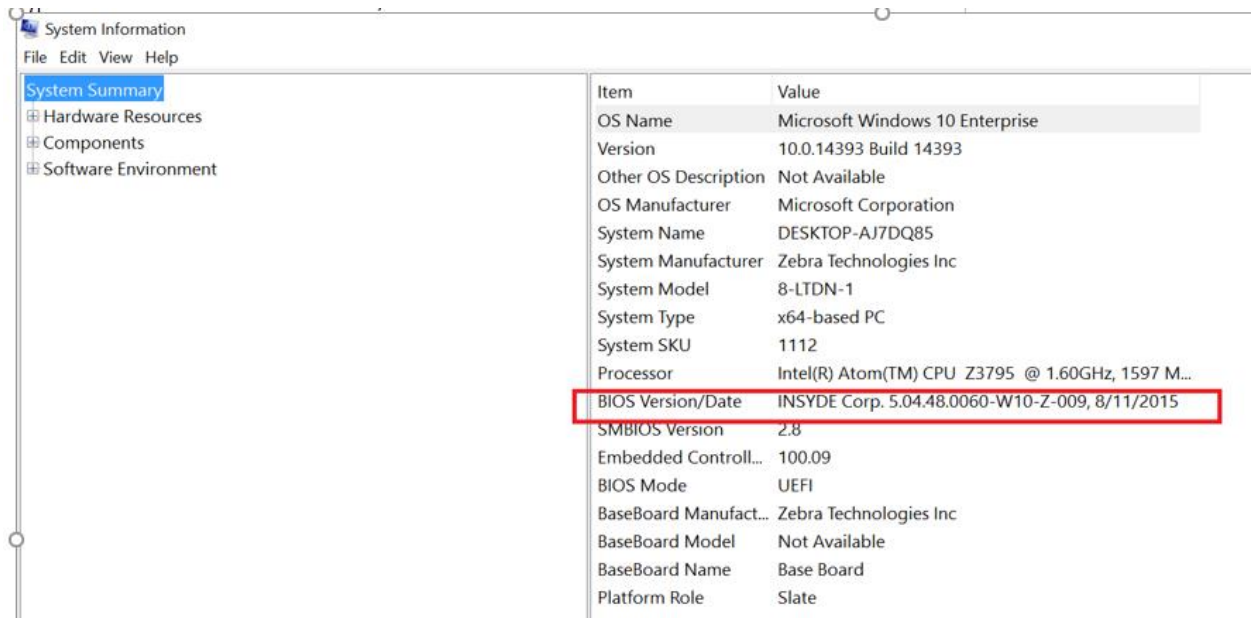
-Boot to BIOS Menu -> select SCU

-Check "ULPMC FW": e.g. ULPWC FW 64 (9) (S) – Please always compare the versions with release notes. Following screen shot is for reference purpose only.



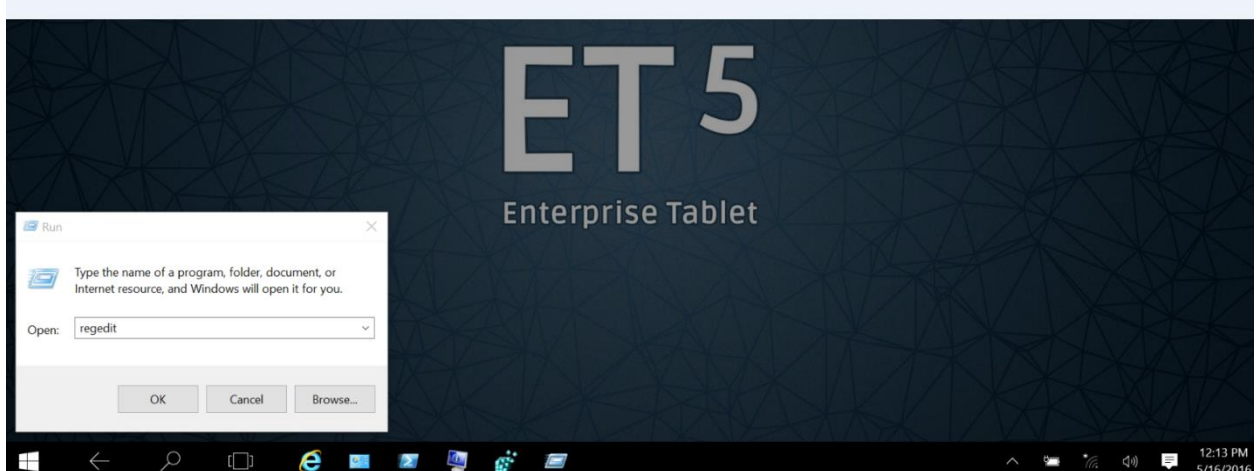
Check BIOS Version

1. Right click on Start.
2. Select **Run**.
3. Type “**msinfo32**” and look for BIOS Version/Date.

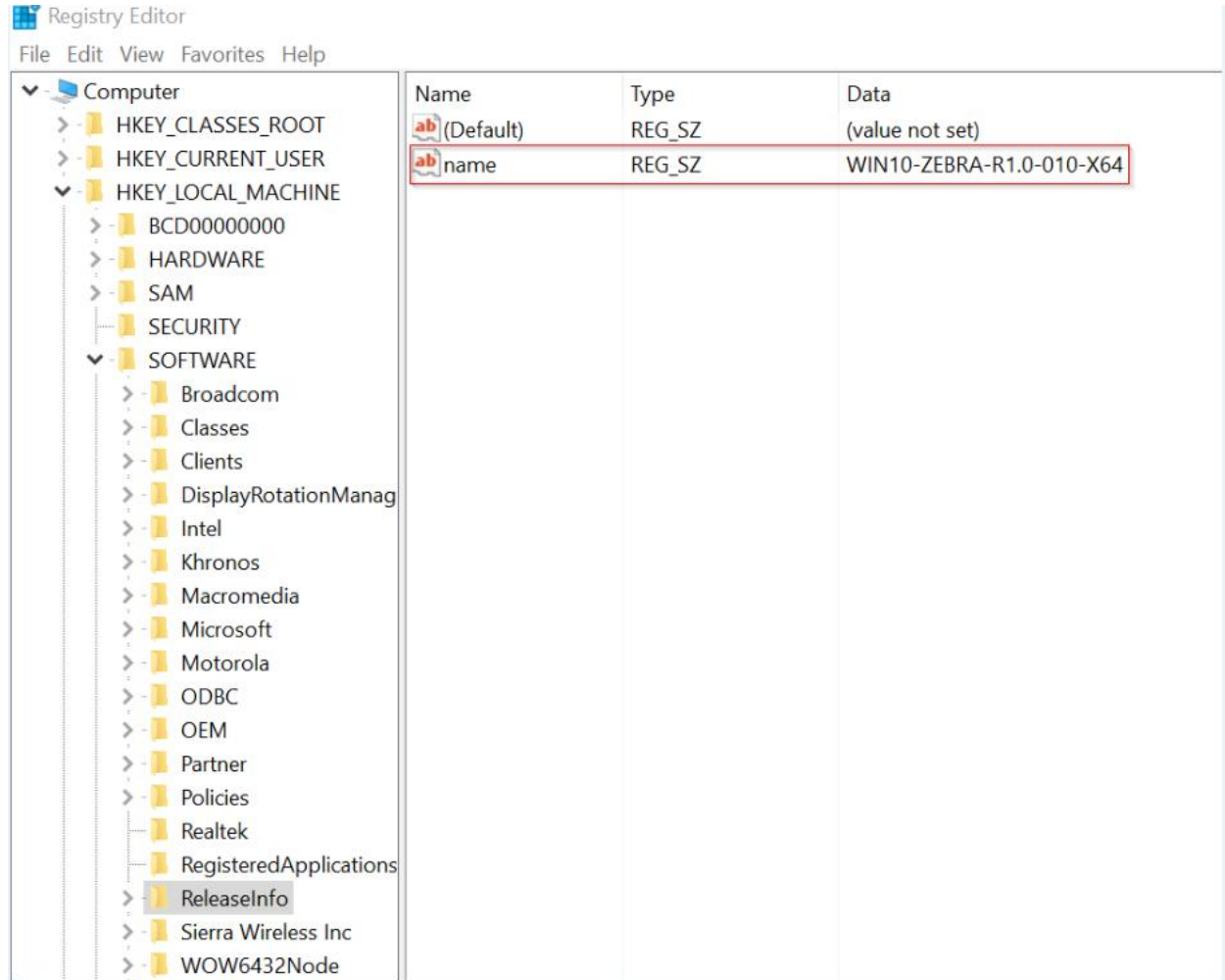


Check WIN 10 Release Version

1. Right click on Start. Click **Run** Type “**regedit**”



2. Navigate to **HKEY_LOCAL_MACHINE->SOFTWARE-> ReleaseInfo**



Note that the Win OS version can also be checked the following way:

From an **Admin command prompt** type “**reg query HKLM\Software\ReleaseInfo**”

C:\> Administrator: Command Prompt

```
C:\Windows\system32>reg query hklm\software\releaseinfo  
  
HKEY_LOCAL_MACHINE\software\releaseinfo  
    name      REG_SZ      WIN10-ZEBRA-R1.0-010-X64  
  
HKEY_LOCAL_MACHINE\software\releaseinfo\Settings  
  
C:\Windows\system32>
```

Creating a bootable USB

1. Insert a USB flash drive into a running computer.
2. Open a Command Prompt window as an administrator.
3. Type diskpart.
4. In the new command line window that opens, to determine the USB flash drive number or drive letter, at the command prompt, type list disk, and then click ENTER.

The list disk command displays all the disks on the computer. Note the drive number or drive letter of the USB flash drive.

5. At the command prompt, type select disk <X>, where X is the drive number or drive letter of the USB flash drive, and then click ENTER.
6. Type clean, and then click ENTER. This command deletes all data from the USB flash drive.
7. To create a new primary partition on the USB flash drive, type create part pri, and then click ENTER.
8. To select the partition that you just created, type select part 1, and then click ENTER.
9. To format the partition, type format fs=Fat32 quick, and then click ENTER.
10. Type active, and then click ENTER.
11. Type exit, and then click ENTER.
12. When you finish downloading the image, save it to the root of the USB flash. [See next page for command prompt output]

Administrator: Command Prompt - diskpart

C:\windows\system32>diskpart

Microsoft DiskPart version 10.0.14393.0

Copyright (C) 1999-2013 Microsoft Corporation.

On computer: DESKTOP-5AH7U6E

DISKPART> list disk

Disk ###	Status	Size	Free	Dyn	Gpt
-----	-----	-----	-----	---	---
Disk 0	Online	58 GB	0 B		*
Disk 1	Online	931 GB	1024 KB		
Disk 2	Online	29 GB	0 B		

DISKPART> select disk 2

Disk 2 is now the selected disk.

DISKPART> clean

DiskPart succeeded in cleaning the disk.

DISKPART> create partition pri

DiskPart succeeded in creating the specified partition.

DISKPART> select partition 1

Partition 1 is now the selected partition.

DISKPART> format fs=fat32 quick

100 percent completed

DiskPart successfully formatted the volume.

DISKPART> active

DiskPart marked the current partition as active.

DISKPART> exit

