

DELL Windows 10 IoT Enterprise LTSC 2021 Operating System



DELL Windows 10 IoT Enterprise LTSC 2021 Operating System User Guide

[Home](#) » [Dell](#) » DELL Windows 10 IoT Enterprise LTSC 2021 Operating System User Guide 

Contents

- [1 DELL Windows 10 IoT Enterprise LTSC 2021 Operating System](#)
- [2 Steps to configure USB key for ISO Imaging](#)
- [3 Re-imaging or Deploying the recovery image created in a USB drive](#)
- [4 Capturing image to the created USB drive](#)
- [5 Documents / Resources](#)
 - [5.1 References](#)
- [6 Related Posts](#)



DELL Windows 10 IoT Enterprise LTSC 2021 Operating System



Notes, cautions, and warnings

- **NOTE:** A NOTE indicates important information that helps you make better use of your product.
- **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
- **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

2023 Dell Inc. or its subsidiaries. All rights reserved. Dell Technologies, Dell, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

Steps to configure USB key for ISO Imaging

Step 1: Pre-requisites

Steps

1. Download the appropriate Windows 10 IoT Enterprise LTSC 2021 operating system ISO image from Dell Support page.
2. Download and install the Dell OS Recovery Tool (available for Microsoft Windows only).
3. USB flash drive with at least 32 GB of free space.
4. Administrator user rights and at least 64 GB of available hard drive space to download the Dell operating system recovery image.
5. A wired network connection for network stability is recommended.
6. It is recommended to disable any anti-virus software during the download.

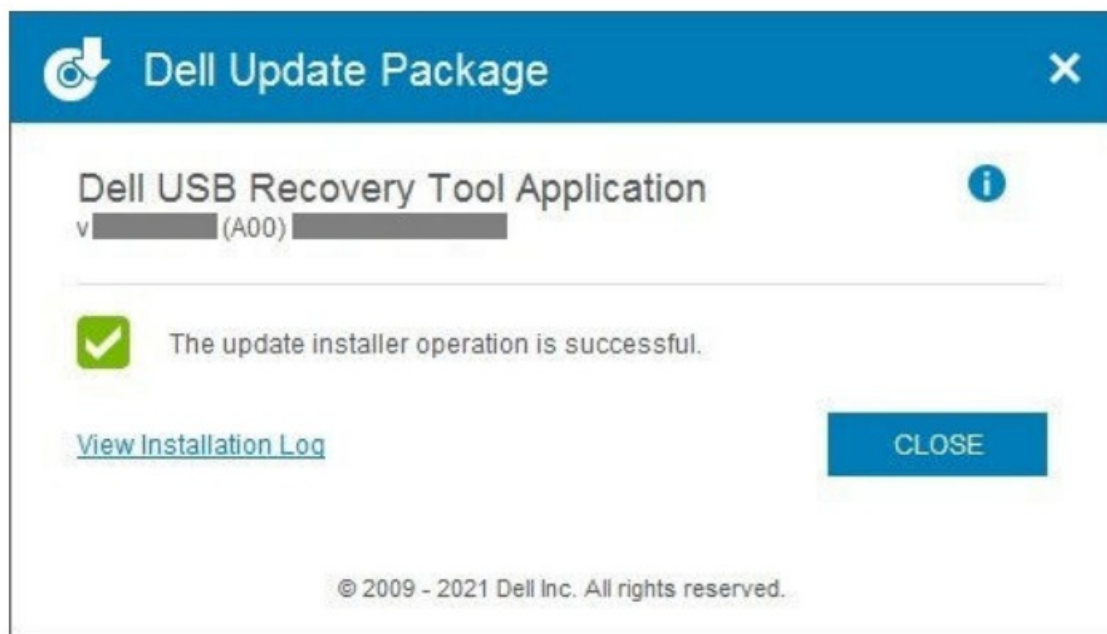
Step 2: Download and install the Dell OS Recovery Tool

Steps

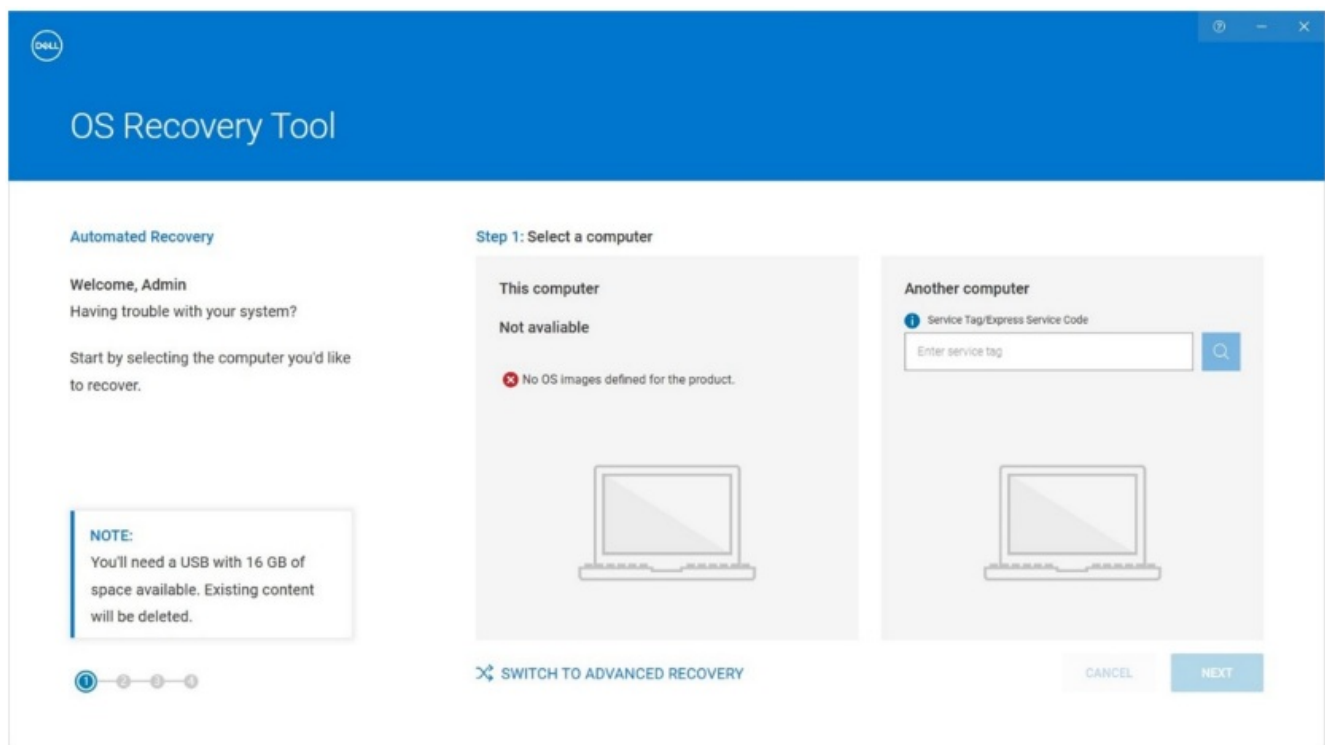
1. Launch the downloaded Dell OS Recovery Tool and click INSTALL.



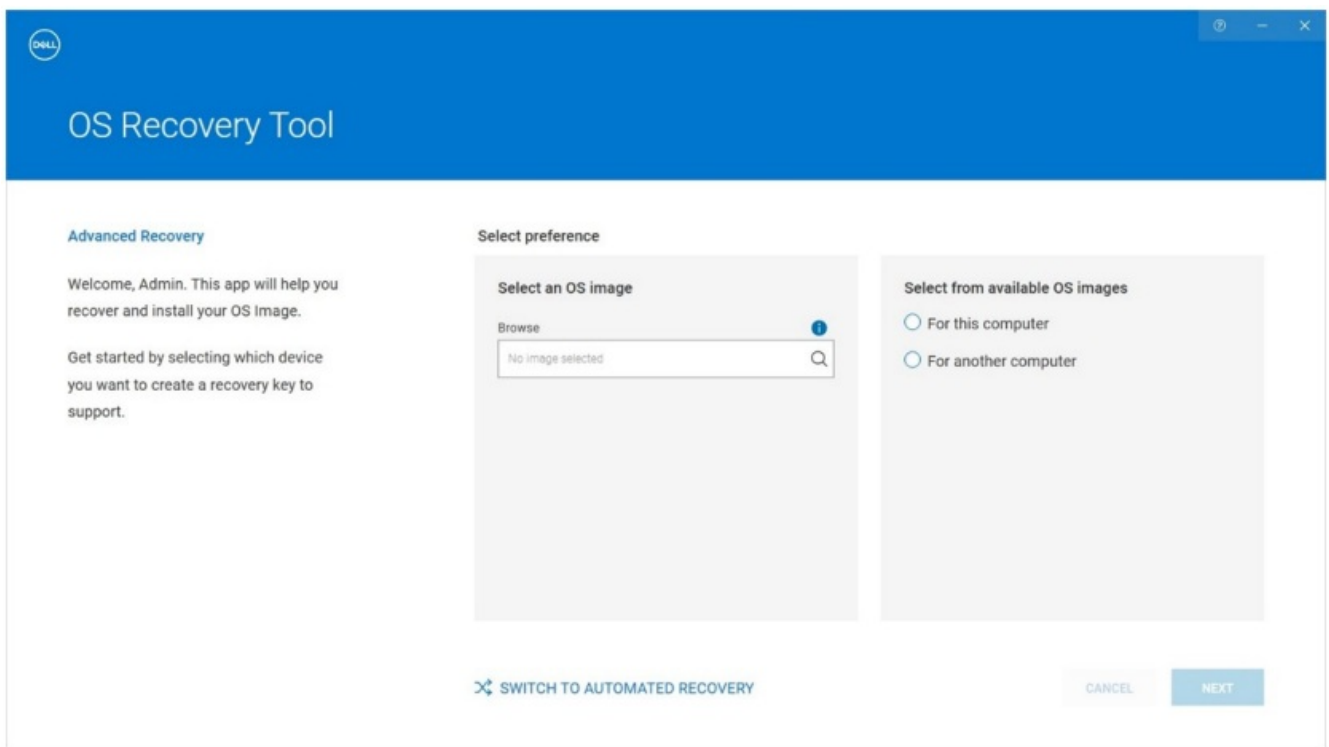
2. Click CLOSE and launch the application from the desktop shortcut.



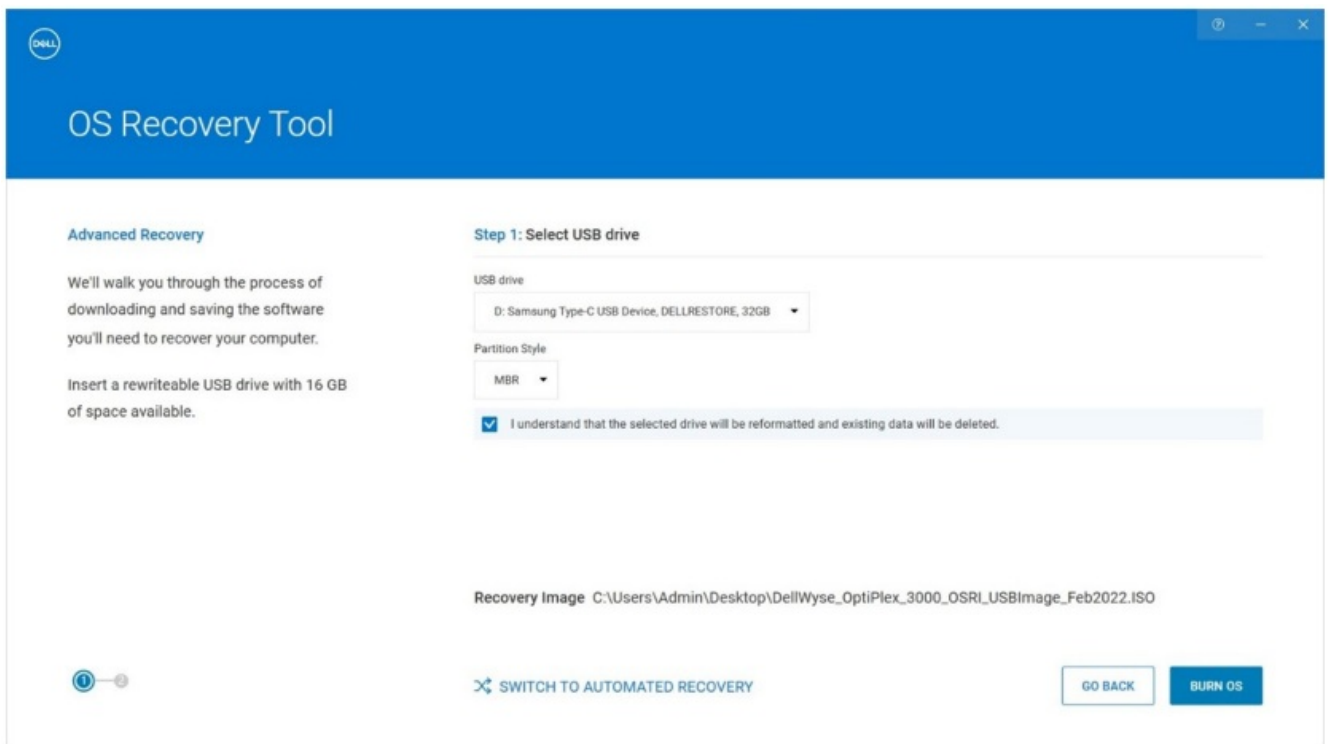
3. Click SWITCH TO ADVANCED RECOVERY.



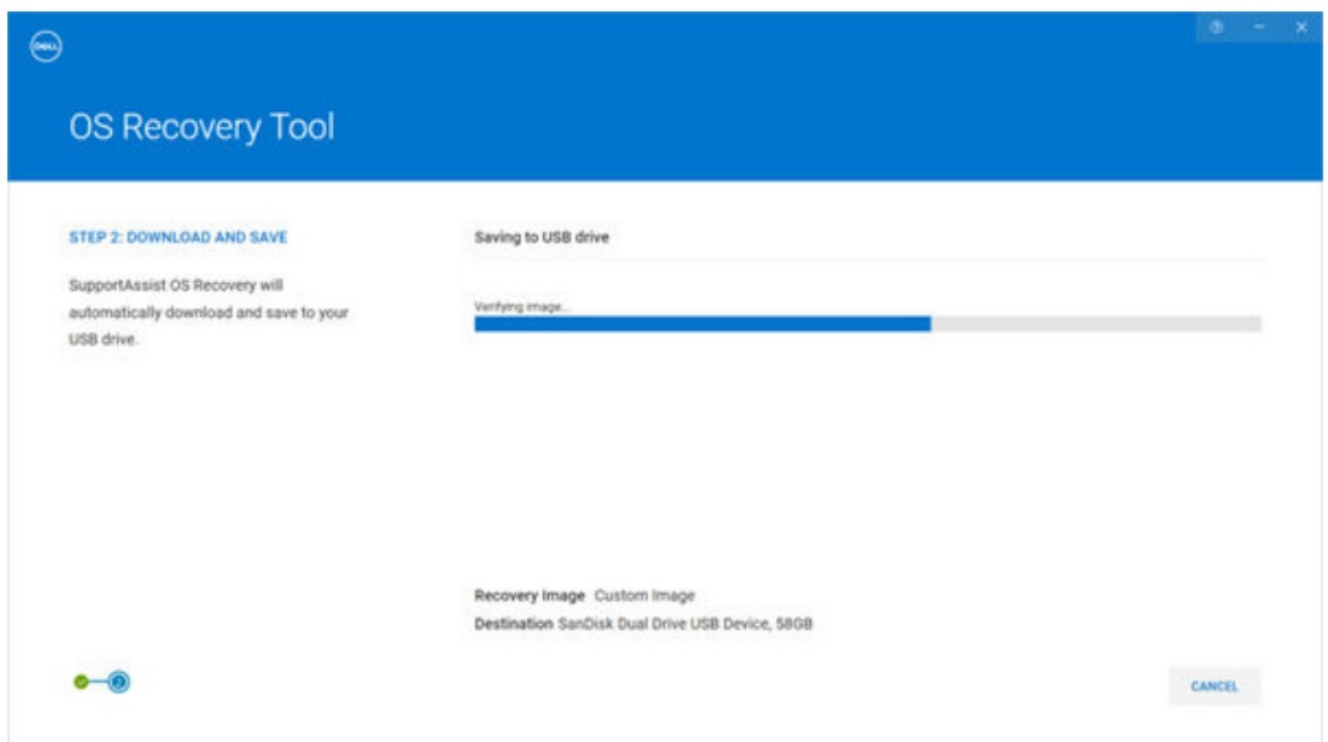
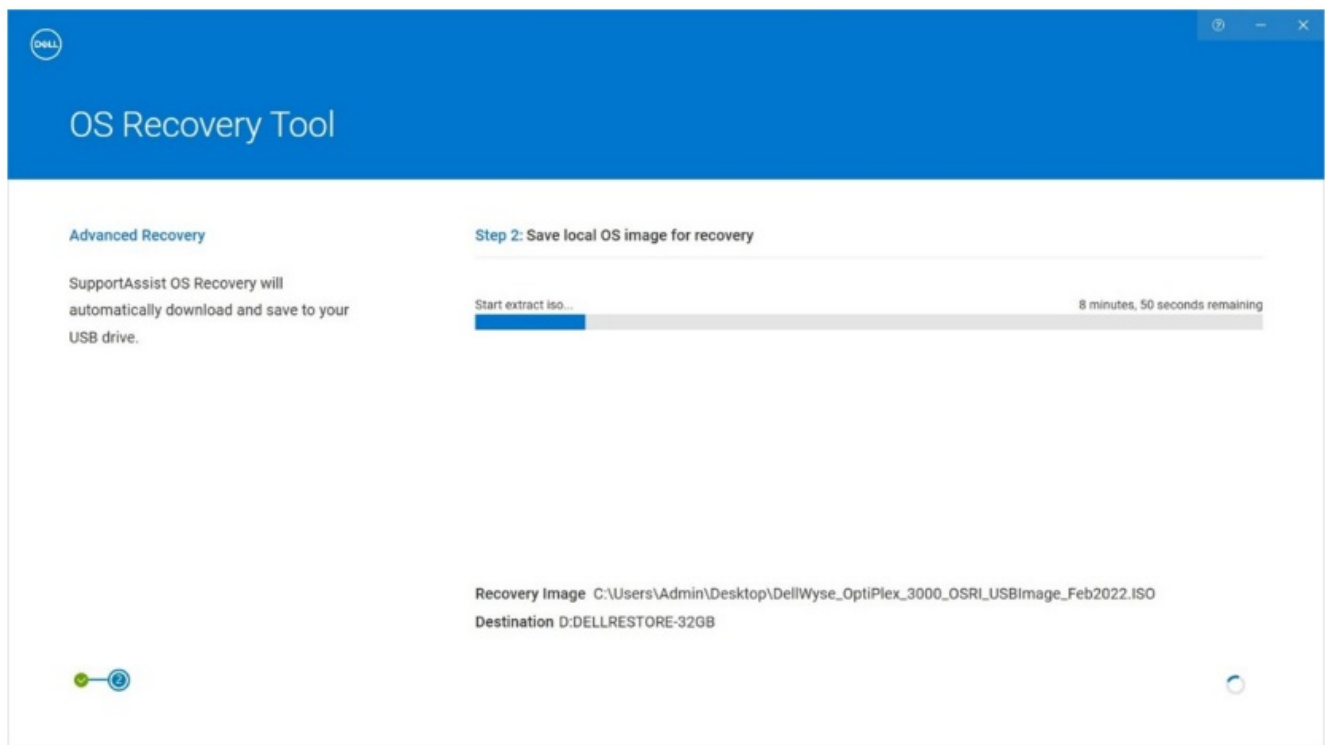
4. Browse to and select the appropriate downloaded ISO image and click NEXT.



5. Click BURN OS.



6. Wait for image registration to complete and click Close.



7. Remove the USB drive. This completes the Recovery USB drive creation.

Re-imaging or Deploying the recovery image created in a USB drive

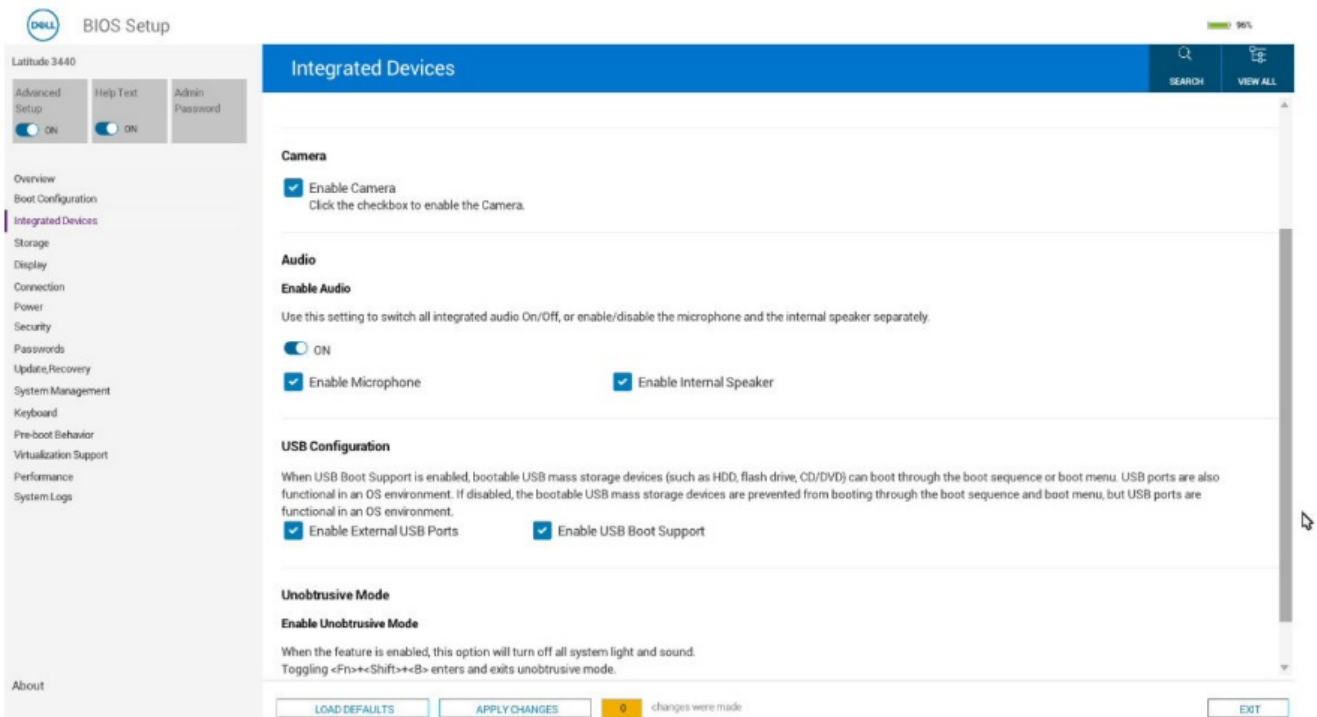
Steps

1. Insert the Windows 10 IoT OS Recovery USB Key created into the USB port of the appropriate device.
2. Power on the device.
3. Press F2 to enter BIOS setup.
4. Enter the BIOS admin password to unlock the BIOS for any required changes. Dell's default password is Fireport.

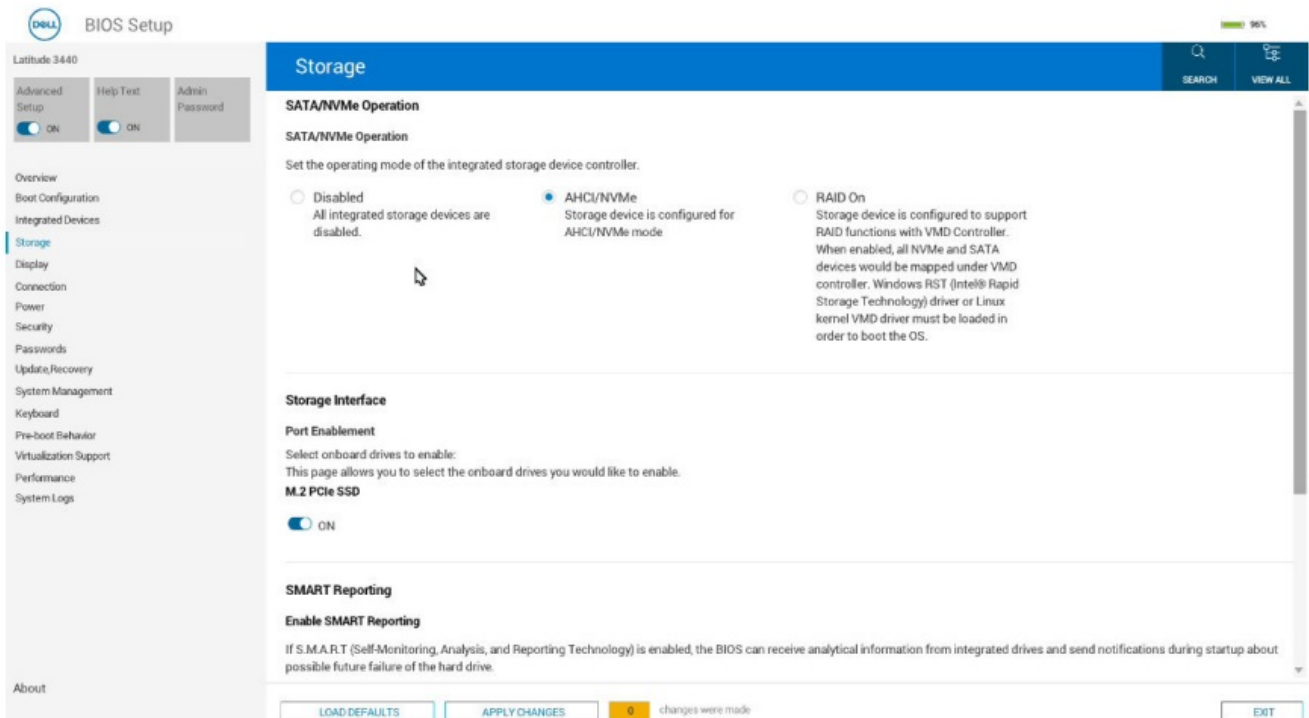
NOTE: The screenshots depict an example of the BIOS screen in a Latitude 3440 device. The version

information differs based on the application that you use to install. The screens may differ slightly based on the BIOS version on your device. The BIOS options that are mentioned will be similar and must be checked and updated as per the requirements.

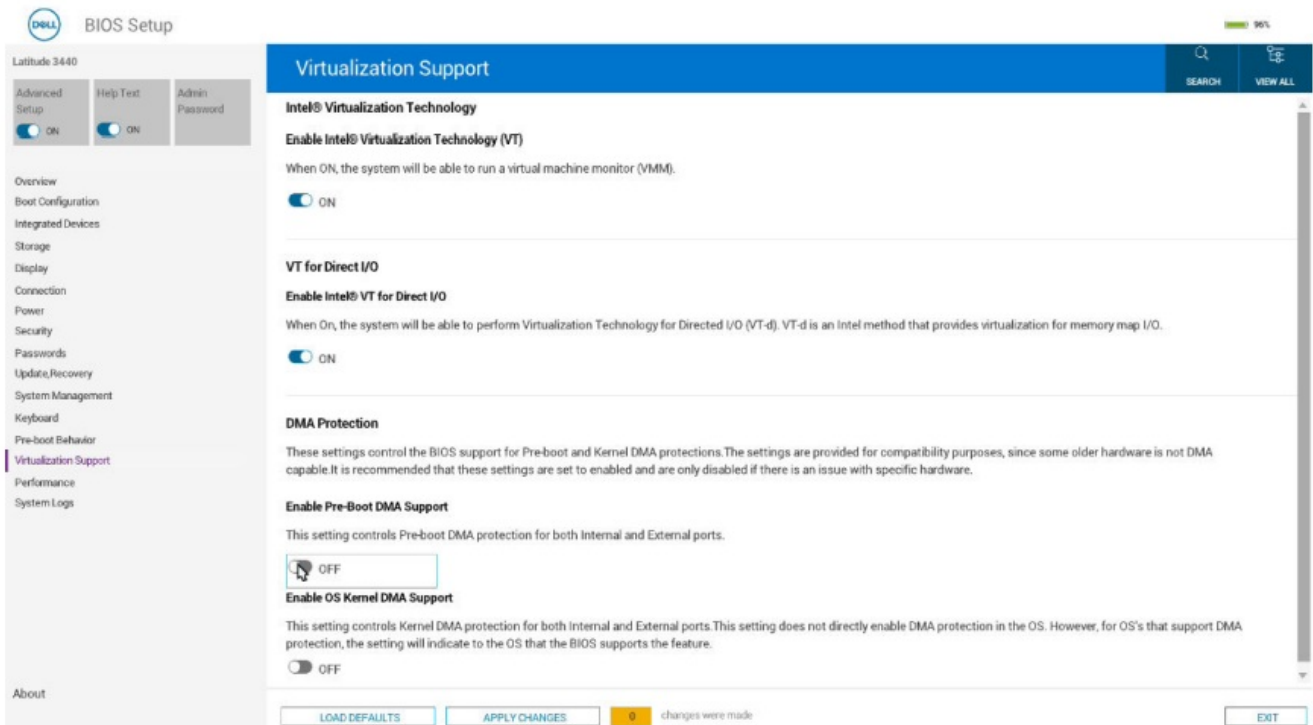
5. Go to Integrated Devices and enable the Enable USB boot support option. This option is enabled by default.



6. Go to Storage, SATA/NVMe Operations and enable the AHCI/NVMe option. This option is enabled by default.

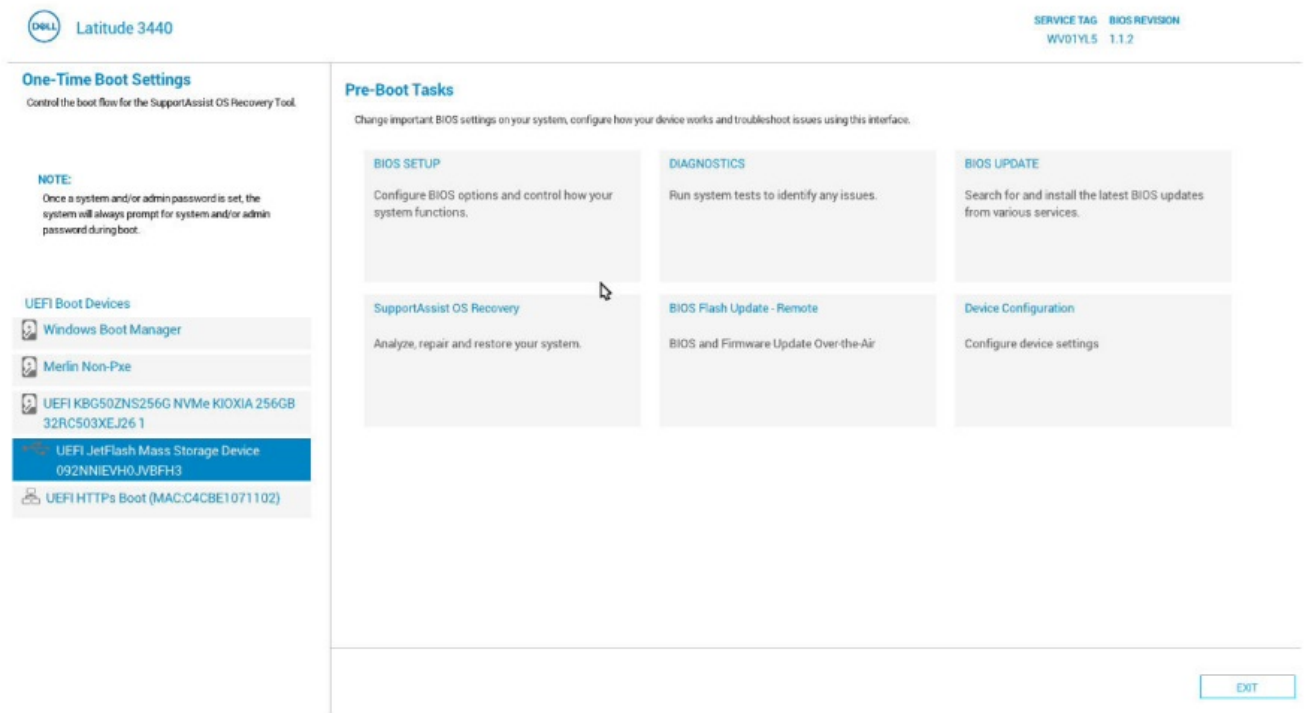


7. Go to Virtualization Support, set Enabler Pre-Boot DMA Support to OFF, set Enable OS Kernel DMA Support to OFF.

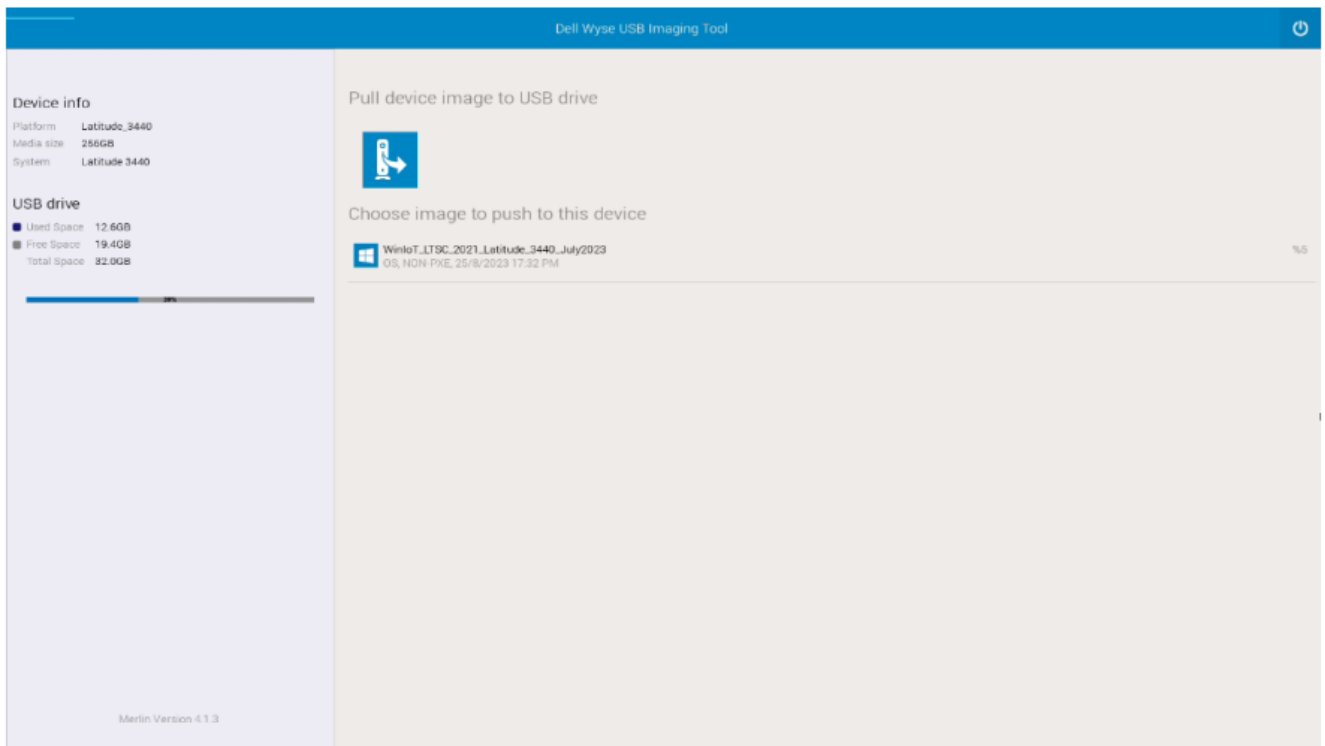


8. Click Save and then click Exit.

9. When the device reboots, press F12 to trigger the Boot Menu and select the bootable Windows 10 IoT OS Recovery USB Key and press Enter.



10. Select the operating system image and click OK. The installation process starts.



The image that is shown above is an example image. The screen reflects the image that you created in the USB pen drive.

11. After the installation is completed, the device reboots.
12. Remove the operating system Recovery USB drive.
13. Press F12 to trigger the Boot Menu and select SSD/HDD storage where Win 10 IOT OS is installed.
14. Press Enter. Windows IoT boots to the desktop.

Capturing image to the created USB drive

Steps

1. Insert the Windows 10 IoT OS Recovery USB Key created into the USB port of the appropriate device.
2. Power on the device.
3. When the device reboots, press F12 to trigger the Boot Menu and select the bootable Windows 10 IoT OS Recovery USB Key.
4. Press Enter.

One-Time Boot Settings

Control the boot flow for the SupportAssist OS Recovery Tool.

NOTE:

Once a system and/or admin password is set, the system will always prompt for system and/or admin password during boot.

UEFI Boot Devices

- Windows Boot Manager
- Merlin Non-Pxe
- UEFI KBG50ZNS256G NVMe KIOXIA 256GB 32RC503XEJ26 1
- UEFI JetFlash Mass Storage Device 092NNIEVH0JVBFH3**
- UEFI HTTPs Boot (MAC:C4CBE1071102)

Pre-Boot Tasks

Change important BIOS settings on your system, configure how your device works and troubleshoot issues using this interface.

BIOS SETUP

Configure BIOS options and control how your system functions.

DIAGNOSTICS

Run system tests to identify any issues.

BIOS UPDATE

Search for and install the latest BIOS updates from various services.

SupportAssist OS Recovery

Analyze, repair and restore your system.

BIOS Flash Update - Remote

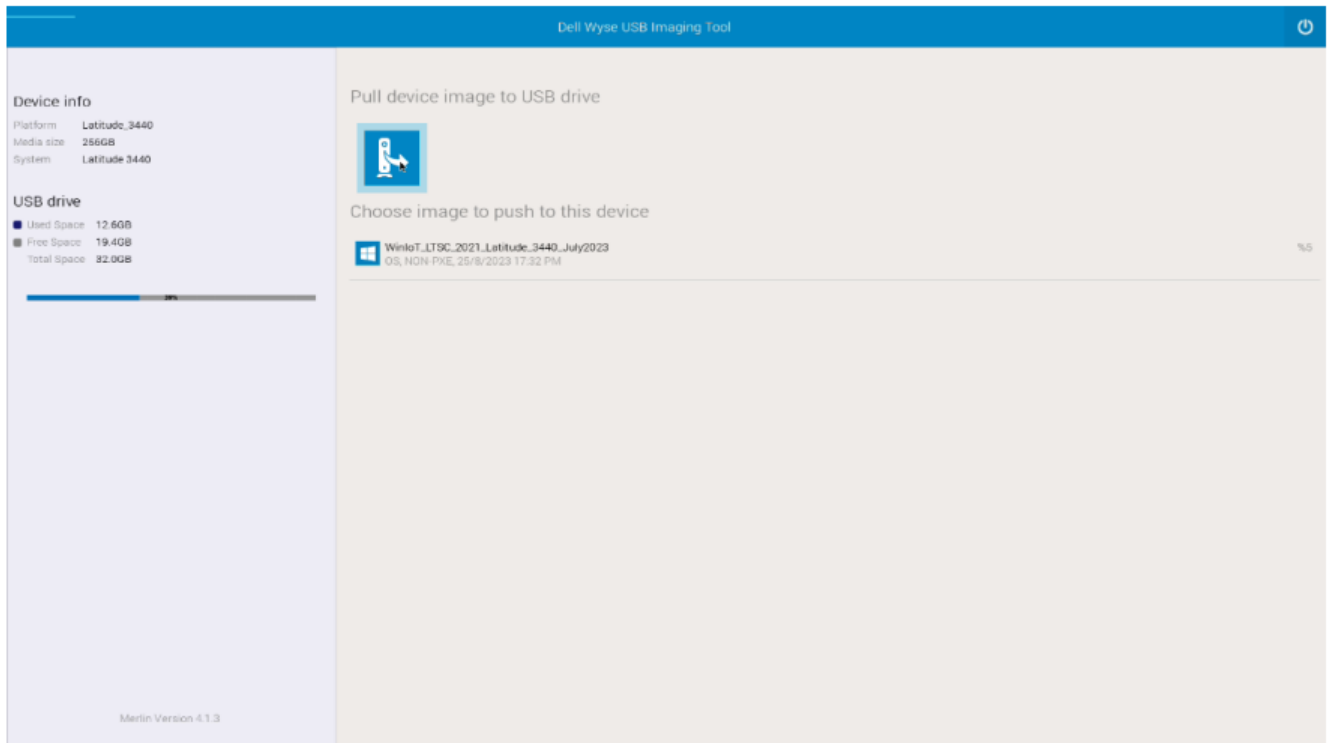
BIOS and Firmware Update Over-the-Air

Device Configuration

Configure device settings

EXIT

5. Select Pull Device Image to USB Drive.



6. Click OK on the Compressing and Pulling Image to USB drive screen.

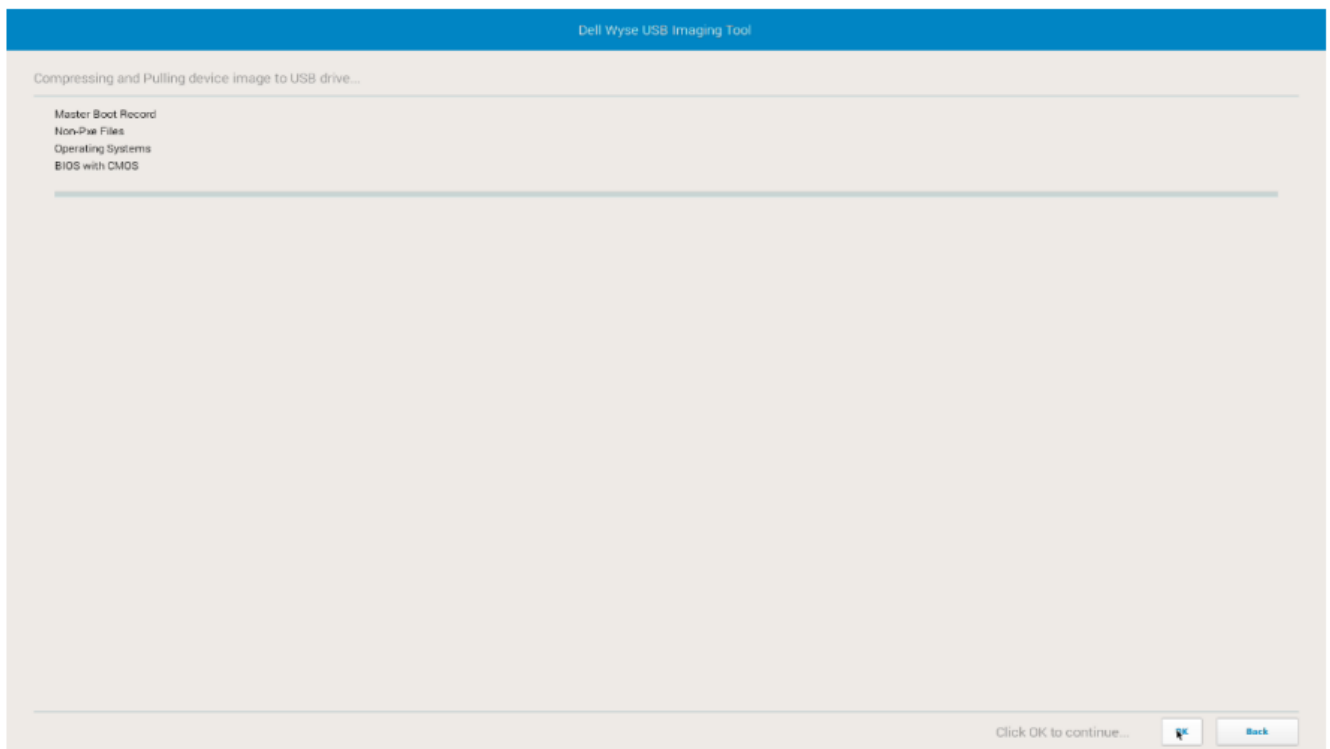
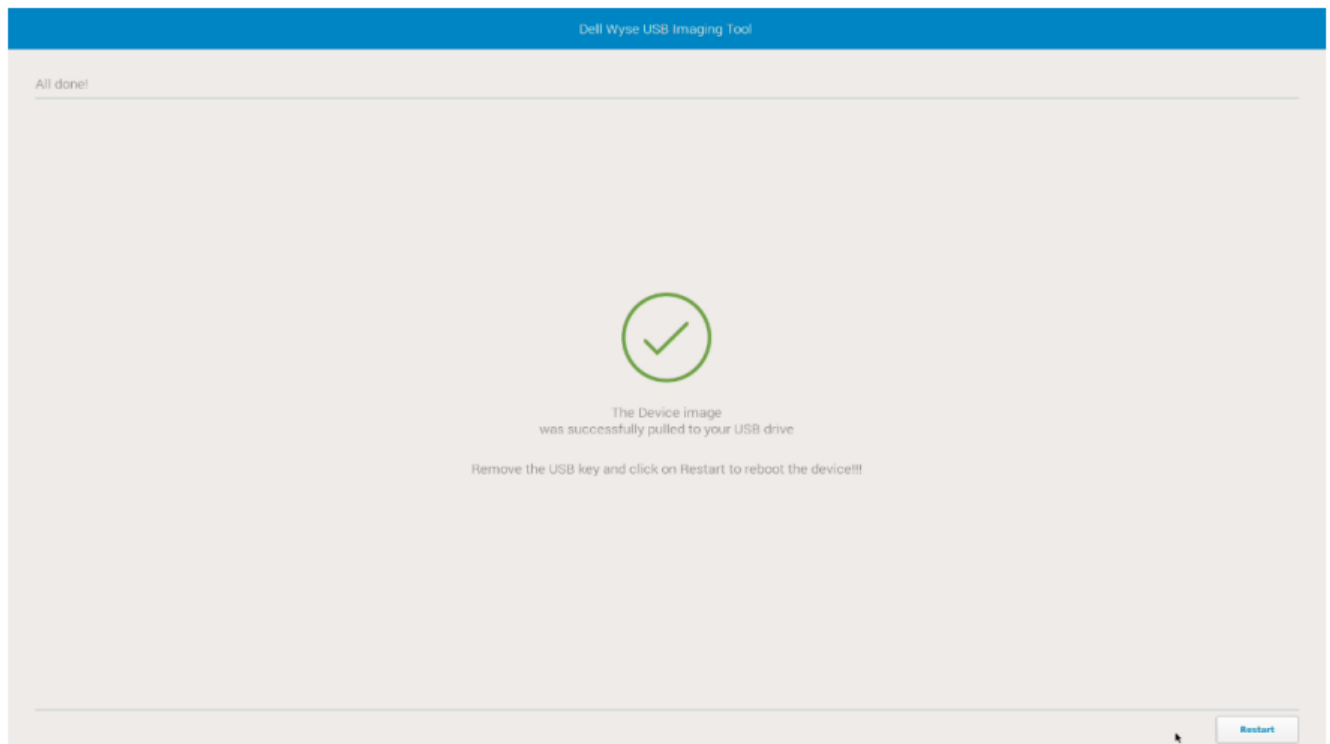


Image Capturing starts and displays the progress screen.

7. After the image capture is completed, remove the bootable Windows 10 IoT OS Recovery USB Key and click Restart.



<div>Windows 10 IoT Enterprise LTSC 2021 Operating System Recovery Guide</div> <div>02</div>	<div>DELL Windows 10 IoT Enterprise LTSC 2021 Operating System [pdf] User Guide</div> <div>3W8CK, HD22J, Windows 10 IoT Enterprise LTSC 2021 Operating System, 10 IoT Enterprise LTSC 2021 Operating System, IoT Enterprise LTSC 2021 Operating System, Enterprise LTSC 2021 Operating System, LTSC 2021 Operating System, 2021 Operating System, Operating System, System</div>
--	--

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.