

**MAKING A
"WINDOWS TO GO"
USB-CONNECTED
SSD OR FLASH DRIVE OR HD
FOR BOOTING UP OTHER
COMPUTERS**

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An International
Association of Technology
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SUMMARY

You can use your "Windows 10.." computer to make a "Windows To Go" USB SSD or flash drive for booting up another computer:

There is Microsoft's way to do this and there is the non-certified device way for the rest of us.

TOPICS

- Reasons for Making a Bootable "Windows To Go" Device
- Two Ways to Make a Bootable "Windows To Go" Device:
 - ❑ Microsoft's Way
 - ❑ Non-certified Device Way

REASONS FOR MAKING A "WINDOWS TO GO" DEVICE

- See <https://www.techspot.com/article/1751-windows-to-go/>

TWO WAYS TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE

- Microsoft's Way
- Non-certified Device Way

TWO WAYS TO MAKE A BOOTABLE

"WINDOWS TO GO" DEVICE (continued)

- **Microsoft's Way**

Expensive USB flash drives and SSDs and must be "certified" by Microsoft

Can only run Windows 10 Education or Windows 10 Enterprise from inside the bootable device

- **Non-certified Device Way**

Can use a wider range of flash drive and USB SSD devices

Can run any version of Windows 10.. from inside the bootable device

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE

- See

<https://docs.microsoft.com/en-us/windows/deployment/planning/windows-to-go-overview>

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

- To make a "Windows to Go" device to use the "Windows To Go" applet from inside the "Control Center" from inside a computer that is running "Windows 10 Pro 64-bit", "Windows 10 Education 64-bit", or "Windows 10 Enterprise 64-bit"

Adjust your computer's settings

View by: Large icons ▾



Sync Center



System



Tablet PC Settings



Taskbar and Navigation



Troubleshooting



User Accounts



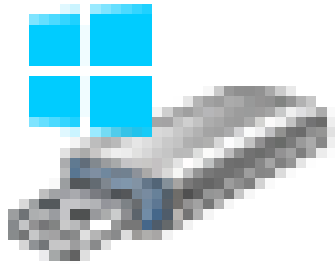
Windows Defender
Firewall



Windows To Go



Work Folders



Windows To Go

Choose the drive you want to use

Make sure the USB drive meets the hardware requirements for Windows To Go.

| Device | Drives | Size |
|---------------------------|--------|---------|
| SanDisk Cruzer USB Device | (D:) | 29.8 GB |

[What are the hardware requirements?](#)

Next

Cancel

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE

(continued)

- The bootable device has to be certified by Microsoft as a "certified Windows To Go" device:

The most up-to-date list of "certified" devices is located at

<https://www.easyuefi.com/wintousb/faq/en-US/What-is-Windows-To-Go-Certified-Drives.html>

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE

(continued)

- You have to have an .ISO installation media file for either
Windows 10 Enterprise 64-bit
or
Windows 10 Enterprise Evaluation 64-bit
or
Windows 10 Education 64-bit

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

- You have to have an .ISO installation media file has to be "mounted" (by clicking on it) in the computer that you are running the "Windows To Go" applet in

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

- The resulting Windows To Go device will have a copy of "Windows 10 Enterprise 64-bit " or "Windows 10 Enterprise Trial 64-bit" or "Windows 10 Education 64-bit" inside of it

MICROSOFT'S WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

- Microsoft's way to make a bootable "Windows To Go" device used to work for some non-certified USB hard drives, some non-certified flash drives, and some non-certified USB drives but this capability is no longer available in the current "version 1809" of "Windows 10 Pro 64-bit", "Windows 10 Enterprise 64-bit", or "Windows 10 Enterprise Evaluation 64-bit"

NON-CERTIFIED DEVICE WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE

- About 40 third-party software utility programs claim to be able to make a bootable "Windows To Go" device from any no-certified USB hard drive, USB flash drive, or USB SSD. However, all but one of the software utility programs that we tested failed to do so with the current "version 1809" "Feature Upgrade" of "Windows 10.." that was released in November 2018. 18

NON-CERTIFIED DEVICE WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

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NON-CERTIFIED DEVICE WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

- "WinToUSB Professional" can run in just about any version or bitness of "Windows.." from "Windows XP.." to Windows 10..

The requirements for running "WinToUSB" are listed at

<https://www.easyuefi.com/wintousb/more-information.html>

NON-CERTIFIED DEVICE WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE (continued)

- The only software utility program that we tested that can run in the the current "version 1809" "Feature Upgrade" of "Windows 10.." is the not-free "WinToUSB Professional" which can make bootable USB hard drives, USB flash drives, and USB SSDs:

NON-CERTIFIED DEVICE WAY TO MAKE A BOOTABLE "WINDOWS TO GO" DEVICE

(continued)

- If you download the free version of "WinToUSB Professional"
<https://www.easyuefi.com/wintousb/index.html>
and install it into a "Windows 10 Pro" or "Windows 10 Enterprise" or "Windows 10 Education" computer that is running the "version 1809" "Feature Upgrade" of "Windows 10..", you will be unable to create "Windows To Go" devices with it until you upgrade to "WinToUSB Professional".

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional"

- From your existing "Windows XP.." or higher computer, download the free version of "WinToUSB" at <https://www.easyuefi.com/wintousb/index.html>

MAKING A "WINDOWS TO GO" DEVICE WITH

"WinToUSB Professional" (continued)

- If your existing computer is running the "version 1809" "Feature Upgrade" of "Windows 10 Home"

or

"Windows 10 Pro"

or

"Windows 10 Enterprise"

or

"Windows 10 Education",

go to

<https://www.easyuefi.com/store-wintousb.html>

and upgrade to "WinToUSB Professional"

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- If your existing computer is not running the "version 1809" "Feature Upgrade" of "Windows 10 Home"
or
"Windows 10 Pro"
or
"Windows 10 Enterprise"
or
"Windows 10 Education",
ignore the previous step.

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- Attach a USB SSD, a USB flash drive, or a USB hard drive to your Windows.. computer

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- Start "Disk Management".
In a "Windows 10.." computer, the easiest way to start "Disk Management" is to use the right mouse button to click on the "Start button". Then click on "Disk Management" on the pop-up context menu.

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- From inside the "Disk Management" window, locate the USB SSD, a USB flash drive, or a USB hard drive

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- From inside the "Disk Management" window, use the right mouse button to remove any volumes (partitions) that are inside the target USB SSD, the target USB flash drive, or the target USB hard drive (if there are any existing partitions in the target device)

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- From inside the "Disk Management" window, use the right mouse button to convert the USB SSD, a USB flash drive, or a USB hard drive to "Convert To MBR Disk" (if that option is available) when you right-click on the left-most end of the device

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- From inside the "Disk Management" window, use the right mouse button to create a 50 Megabyte volume (inside the USB SSD, a USB flash drive, or a USB hard drive)

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- From inside the "Disk Management" window, use the right mouse button to format the new 50 Megabyte volume with "FAT32". During the formatting process, it is best to name this partition with a label of "EFI System" (without the quotation marks). It is also best not to give this partition a drive letter.

MAKING A "WINDOWS TO GO" DEVICE WITH "WinToUSB Professional" (continued)

- From inside the "Disk Management" window, use the right mouse button to create an NTFS partition that fills up the rest of the target device.

It is best not to give this new volume a drive letter.

MAKING A "WINDOWS TO GO" DEVICE WITH

"WinToUSB Professional" (continued)

- The remaining steps for using "WinToUSB" to make a bootable "Windows To Go" USB device are described at

<https://www.easyuefi.com/wintousb/faq/en-US/How-to-use-WinToUSB.html>

and

<https://www.easyuefi.com/wintousb/resource/create-windows-to-go-with-windows-10-1809.html>

and

<https://www.easyuefi.com/wintousb/resource/clone-windows-10-1809-to-usb-drive.html>

