

# How to create a lightweight Windows 11 for unsupported computers

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Not all computers meet the hardware requirements to support Windows 11. Therefore, those who still want to upgrade but cannot afford new hardware can use 'unofficial' methods to update from Windows 10 to 11. This article focuses on creating a lightweight and debloated image, which should work better on low-end systems with less resources. Of course, if you have a more powerful PC, you can also try this method to get better performance.

Note: You should accept the potential risks of running a modified copy of Windows, especially when using third-party tools. If you're not comfortable with this or don't trust the script's creator, you can try installing Windows 11 on unsupported computers using unmodified images or enrolling your system in the Extended Security Update program to continue receiving support for another year.

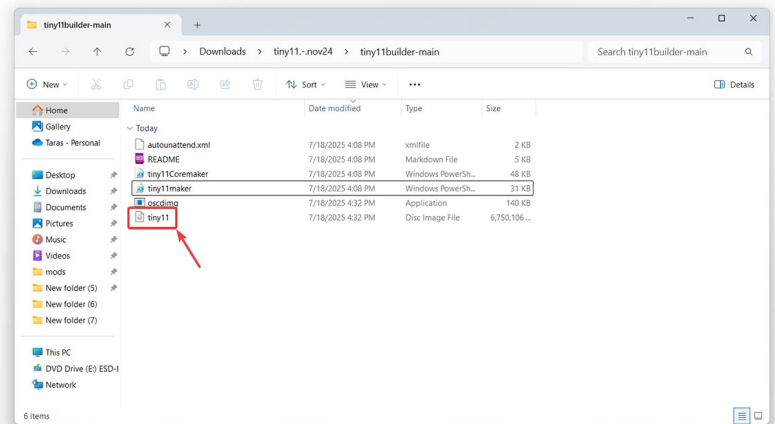
In this guide, we'll be modifying your Windows 11 installation using a popular tool called Tiny11Maker. This tool strips the official requirements from your Windows installation and removes unnecessary components and bloat for a cleaner experience, allowing you to install Windows 11 on computers that don't have TPM 2.0 or Secure Boot and use older processors than the minimum requirements (2nd Gen AMD Ryzen or 8th Gen Intel Core).

Note: Some very old computers with certain processors cannot physically run recent versions of Windows 11, even with the hardware requirements removed.

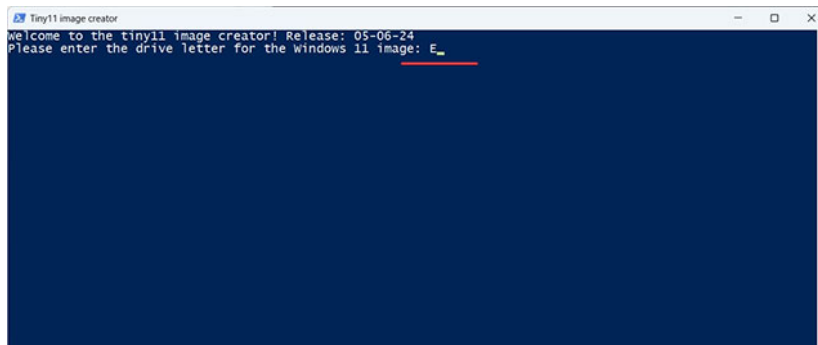
Create a stripped-down Windows 11 installation for an unsupported computer

1. Get a Windows 11 installation: Download the Windows 11 installation (ISO) that matches the version and language you need for your computer. You can get it from the official Windows 11 website or using the Media Creation Tool.
2. Mount the installation: Mount the downloaded installation by double-clicking on it.
3. Download Tiny11 Maker: Download Tiny11 Maker from the GitHub repository and extract it to any folder you like.

4. Run the Tiny11maker script: Run the **tiny11maker** script . The folder also contains the **tiny11Coremaker** script , which creates ultra-compact installations with many important components removed. If you plan to use the modified Windows 11 on your main machine for daily work, use the tiny11maker script, as it does not change important components such as Windows Update, Windows Recovery, or Windows Security.



5. Allow running PowerShell scripts: Open Windows Terminal with **Run as Administrator** privileges and enter the command **Set-ExecutionPolicy Unrestricted** to allow running PowerShell scripts.
6. Start **Tiny11maker** : Drag and drop the **tiny11maker** file into the Windows Terminal window and press Enter.
7. Select Drive: Specify the drive letter containing the previously downloaded installation and press Enter.



8. Select Edition: Select the required edition such as Home, Professional, Professional N or any edition you need and press Enter.

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Tiny11 image creator
Welcome to the tiny11 image creator! Release: 05-06-24
Please enter the drive letter for the windows 11 image: E
Drive letter set to E:
Found install.esd, converting to install.wim...

ImageIndex      : 1
ImageName       : Windows 11 Home
ImageDescription : Windows 11 Home
ImageSize       : 21,179,119,365 bytes

ImageIndex      : 2
ImageName       : Windows 11 Home N
ImageDescription : Windows 11 Home N
ImageSize       : 20,572,872,785 bytes

ImageIndex      : 3
ImageName       : Windows 11 Home Single Language
ImageDescription : Windows 11 Home Single Language
ImageSize       : 21,139,060,818 bytes

ImageIndex      : 4
ImageName       : Windows 11 Education
ImageDescription : Windows 11 Education
ImageSize       : 21,951,442,748 bytes

ImageIndex      : 5
ImageName       : Windows 11 Education N
ImageDescription : Windows 11 Education N
ImageSize       : 21,368,478,827 bytes

ImageIndex      : 6
ImageName       : Windows 11 Pro
ImageDescription : Windows 11 Pro
ImageSize       : 21,991,854,165 bytes

ImageIndex      : 7
ImageName       : Windows 11 Pro N
ImageDescription : Windows 11 Pro N
ImageSize       : 21,389,126,594 bytes

Please enter the image index: 6

```

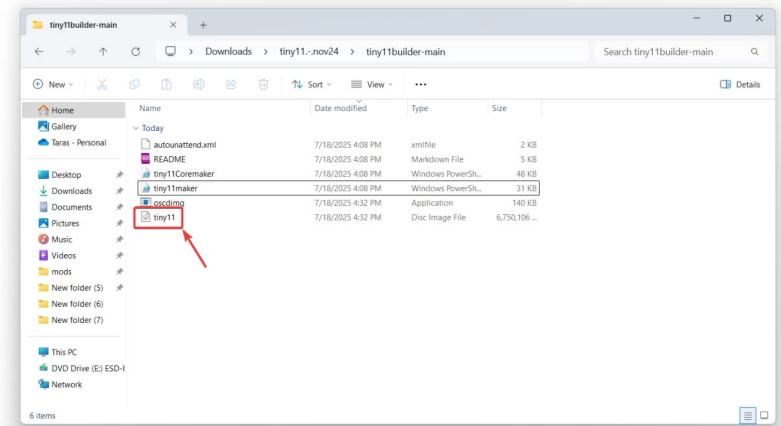
1. **Note** : Remember that Tiny11 maker is not a piracy tool and it will not activate your system for you. You still need a valid Windows 10 or 11 key to activate the installation. Make sure you choose the SKU (Stock Keeping Unit) that matches your license key.
9. Select image index: After converting the images, PowerShell will prompt you to select the image index. Select the index that corresponds to your version of Windows.

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Tiny11 image creator
Scanning source tree (500 files in 46 directories)
Scanning source tree complete (977 files in 95 directories)
Computing directory information complete
Image file is 6924206080 bytes (before optimization)
Writing 977 files in 95 directories to C:\Users\Taras\Downloads\tiny11builder-main\tiny11.iso
100% complete
Storage optimization saved 25 files, 14342144 bytes (1% of image)
After optimization, image file is 6912108544 bytes
Space saved because of embedding, sparseness or optimization = 14342144 bytes
Done.
Creation completed! Press any key to exit the script...
Press Enter to continue:

```

10. Wait for the process to complete: Wait for Tiny11 maker to do its job.
11. Using the ISO File: When finished, you will have a ready-to-use ISO file that you can burn to any USB drive using applications like Rufus (don't select any options in Step 11). You will find the image file in the same folder as the Tiny11 maker files.



Done! You now have a slimmed-down Windows 11 installation that works on unsupported computers and uses fewer resources than the original ("vanilla" version).

You finished reading the article "**How to create a lightweight Windows 11 for unsupported computers**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.