

"WINDOWS 11" BASICS

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TuCS COMPUTER
son
SOCIETY



An International
Association of Technology
& Computer User Groups

**Web location for this
presentation:**

<http://aztcs.apcug.org>

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Notes”**

SUMMARY

"Windows 11" is a freebie for some existing "Windows 10" computers that will start arriving via "Windows Update" on October 5, 2021.

If your existing "Windows.." computer can run it, you will be treated to a speedier computer with a user interface that is easier to view but that is a big **"if"**!

TOPICS

- October 5, 2021 Introduction of "Windows 11.."
- More Stringent Hardware Requirements Than "Windows 10"
- "End of Life" of "Windows 10"
- Determining If Your Existing Computer Can Run "Windows 11.." (without a struggle)
- Some Hardware Requirements Idiosyncrasies
- Version History of "Windows 11"

"WINDOWS 11" ARRIVED ON OCTOBER 5, 2021

- Free phased update for existing computers running "Windows 10 Home" and "Windows 10 Pro"
- According to <https://blogs.windows.com/windows-experience/2021/08/31/windows-11-available-on-october-5/> :

Today, we are thrilled to announce Windows 11 will start to become available on October 5, 2021. On this day, the free upgrade to Windows 11 will begin rolling out to eligible Windows 10 PCs and PCs that come pre-loaded with Windows 11 will start to become available for purchase. A new Windows experience, Windows 11 is designed to bring you closer to what you love.

"WINDOWS 11" ARRIVED ON OCTOBER 5, 2021 (continued)

- Many of the new features that are planned for future releases of "Windows 11" are not available yet. They are still in the development phase.

They will arrive via the "Windows Update" applet and the Microsoft's "Media Creation Tool" Web site during the 2022 calendar year.

"WINDOWS 11" ARRIVES ON OCTOBER 5, 2021 (continued)

- Starting on October 5, 2021, "Windows 11" was and is still a free update in "Windows Update" if **your existing "Windows 10.." meets the stringent hardware requirements for "Windows 11**

END OF LIFE OF "WINDOWS 10"

- Microsoft will stop supporting "Windows 10.. " on October 14, 2025
per <https://docs.microsoft.com/en-us/lifecycle/products/windows-10-home-and-pro>

STRINGENT HARDWARE REQUIREMENTS FOR "WINDOWS 11"

- See <https://www.microsoft.com/en-us/windows/windows-11-specifications>

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11"

- Two Ways:
 1. Microsoft's "PC Health Check" app (free)
 2. "WhyNotWin11" app (free)

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11"

- METHOD 1 (continued) (the official method):

Microsoft's "PC Health Check" is available for free as a

downloadable "app" at

[https://www.microsoft.com/en-](https://www.microsoft.com/en-us/windows/windows-11#pchealthcheck)

[us/windows/windows-](https://www.microsoft.com/en-us/windows/windows-11#pchealthcheck)

[11#pchealthcheck](https://www.microsoft.com/en-us/windows/windows-11#pchealthcheck)

This app only runs in "Windows 10" and "Windows 11".

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11"

(continued)

- METHOD 2:

For a "Windows 7", "Windows 8" or "Windows 8.1" computer, "WhyNotWin11" app (free)

is available at

<https://github.com/rcmaehl/WhyNotWin11/releases/tag/2.4.1>

Release 2.4.1 · rcmaehl/WhyNotWin11

github.com/rcmaehl/WhyNotWin11/releases/tag/2.4.1

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Code Issues 15 Pull requests Discussions Actions Projects Wiki Security Insights

Releases / 2.4.1

2.4.1

rcmaehl released this Aug 31, 2021 · 91 commits to main since this release 2.4.1 d0e724d

Compare

2.4.1 comes with the following changes:

- Updated Supported AMD Processors
- Updated Supported Intel Processors
- Removed Clean Install Upgrade Note (Thanks Microsoft)

Manually Updating Older 2.x Builds Processor Compatibility

- 1, Download SupportedProcessors<name>.txt
2. Place File in %localappdata%\WhyNotWin11

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11" (continued)

- METHOD 2 (continued):
Then scroll or page vertically downward to the bottom of the page and click on "WhyNotWin11.exe"
It will download to your "Downloads" folder in your computer.

TPM Version **TPM 2 Detected**

[Check for Updates](#)

AMD Ryzen 7 1800X Eight-Core Processor
AMD Radeon RX 5700 XT

▼ **Assets** 8

checksums.sha256	170 Bytes
SupportedProcessorsAMD.txt	2.59 KB
SupportedProcessorsIntel.txt	10.8 KB
WhyNotWin11.exe	2.23 MB
WhyNotWin11.zip	1.68 MB
WhyNotWin11_x86.exe	2.12 MB
Source code (zip)	
Source code (tar.gz)	

👍 29 🗨️ 8 ❤️ 7 🛠️ 2 🗑️ 4 33 people reacted

TPM Version **TPM 2 Detected** ⓘ
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DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11" (continued)

- (2. "WhyNotWin11" app (free)
(continued))

Then click on the
WhyNotWin11.exe
at the bottom of the page.

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11" (continued)

- 3. "Win11ComChk" batch file (free) is available near the bottom of the Web page at <https://github.com/jbcarreon123/Win11CompChk>

GitHub - jbcarron123/Win11CompChk

Code Issues Pull requests Discussions Actions Projects Wiki Security Insights

main 3 branches 5 tags Go to file Code

jbcarron123 Updated file ✓ 226b6e5 on Oct 25 80 commits

.github	Update bug_report.md	3 months ago
UpdateWorker	Update CurrentReleaseVer.log	2 months ago
CODE_OF_CONDUCT.md	Create CODE_OF_CONDUCT.md	3 months ago
LICENSE	Change LICENSE	3 months ago
README.md	Update README.md	2 months ago
Win11CompChk.bat	Updated file	2 months ago
Win11CompChk.zip	Add files via upload	3 months ago
Win11CompChkPre.bat	Add files via upload	3 months ago
_config.yml	Set theme jekyll-theme-cayman	3 months ago
contributing.md	Update contributing.md	3 months ago
delfiles.bat	Add files via upload	3 months ago
eraselog.bat	Add files via upload	3 months ago
pull_request_template.md	Update pull_request_template.md	3 months ago

About

A batch script that checks Windows 11 readiness on your PC

windows batch batch-file batch-script batchfile readiness windows-11 windows11 win11compchk

Readme MIT License Code of conduct

Releases 5

Win11CompChk v5.3.0 Latest on Oct 10

+ 4 releases

Packages

No packages published

GitHub - jbcarreon123/Win11CompChk

github.com/jbcarreon123/Win11CompChk

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UpdateWorker	Update CurrentReleaseVer.log	2 months ago
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LICENSE	Change LICENSE	3 months ago
README.md	Update README.md	2 months ago
Win11CompChk.bat	Add files via upload	2 months ago
Win11CompChk.zip	Add files via upload	3 months ago
Win11CompChkPre.bat	Add files via upload	3 months ago
_config.yml	Set theme jekyll-theme-cayman	3 months ago
contributing.md	Update contributing.md	3 months ago
delfiles.bat	Add files via upload	3 months ago
eraselog.bat	Add files via upload	3 months ago
pull_request_template.md	Update pull_request_template.md	3 months ago

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A batch script that checks Windows 11 readiness on your PC

tags: windows, batch, batch-file, batch-script, batchfile, readiness, windows-11, windows11, win11compchk

Readme MIT License

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No packages published

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11" (continued)

- If you use methods 1 or 2, you should use "Revo Uninstaller Portable" to uninstall the app afterwards as explained at https://aztcs.apcug.org/meeting_notes/winhardsig/uninstaller/RevoUninstallerPortable.pdf

DETERMINING IF YOUR EXISTING COMPUTER CAN RUN "WINDOWS 11" (continued)

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SOME HARDWARE REQUIREMENTS IDEOSYNCRACIES

- If you run Microsoft's "PC Health Check":

✕

✔ This PC meets Windows 11 requirements

Great news — Windows 11 is here! Check device specifications for apps and features that exceed minimum system requirements and Windows 10 features that aren't available in Windows 11.

- ✔ This PC supports Secure Boot.
- ✔ TPM 2.0 enabled on this PC.
TPM: TPM 2.0
- ✔ The processor is supported for Windows 11.
Processor: Intel® Core™ i9-10900K CPU @ 3.70GHz
- ✔ There is at least 4 GB of system memory (RAM).
System memory: 64 GB
- ✔ The system disk is 64 GB or larger.

^
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Hide all results

Device specifications



This PC meets Windows 11 requirements



Great news — Windows 11 is here! Check device specifications for apps and features that exceed minimum system requirements and Windows 10 features that aren't available in Windows 11.



There is at least 4 GB of system memory (RAM).

System memory: 64 GB



The system disk is 64 GB or larger.

System storage: 2000 GB



The processor has two or more cores.

Processor cores: 10



The processor clock speed is 1 GHz or faster.

Clock speed: 3.7 GHz



Hide all results

Device specifications

SOME HARDWARE REQUIREMENTS IDEOSYNCRACIES (continued)

- A Trusted Platform Module 2.0 **must be present** on the motherboard or inside the motherboard's firmware **AND** it has to be **enabled** or "Windows 11" will not install (unless you run one of the three hacks that we will mention later)

SOME HARDWARE REQUIREMENTS

IDEOSYNCRACIES (continued)

- Microsoft mandated a TPM 2.0 module in "Windows 8.1 hardware certification" in January 1, 2015
some many computer and motherboard started incorporating TPM 2.0 modules into their computers at that time. However, this mandate **did not require the enabling** of the TPM 2.0

SOME HARDWARE REQUIREMENTS

IDEOSYNCRACIES (continued)

- We have not found even one "Windows 10" computer where the TPM 2.0 or TPM 1.1 module was enabled, even if one was present! All upgrades from "Windows 10" to "Windows 11" have required that we access the UEFI configuration screens to enable the TPM module.

SOME HARDWARE REQUIREMENTS IDEOSYNCRACIES (continued)

- A Secure Boot capability must be **present in the firmware** of the Unified Extensible Firmware Interface (UEFI also called "UEFI BIOS" but **it may be either "enabled" or "disabled"**).

