

4: USB

"Wi-Fi 6"/802.11AX ADAPTERS FOR WINDOWS 10/11 & MacOS COMPUTERS

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Web location for this
presentation:

<http://aztcs.apcug.org>

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EXECUTIVE SUMMARY

You can add a USB Wi-Fi 6 adapter to your existing Windows 10 or 11 or MacOS computer to speed up it's wireless connection to a Wi-Fi router.

TOPICS

- "EDUP" also has a USB "Wi-Fi 6" adapter that is specifically for Windows 7, 10 or 11 or MacOS
- "Comfast" has a a USB "Wi-Fi 6" adapter that is for Windows 10 or 11
- "FENVI" adapter advice
- "D-Link" adapter advice

Wi-Fi GENERATIONS

- Each generation of Wi-Fi technology makes massive increases in speed per
<https://en.wikipedia.org/wiki/Wi-Fi> :

Wi-Fi Generations

Generation	IEEE Standard	Maximum Linkrate (Mbit/s)	Adopted	Radio Frequency (GHz)
Wi-Fi 6E	802.11ax	600 to 9608	2020	6
Wi-Fi 6	802.11ax	600 to 9608	2019	2.4/5
Wi-Fi 5	802.11ac	433 to 6933	2014	5
Wi-Fi 4	802.11n	72 to 600	2008	2.4/5
<i>(Wi-Fi 3*)</i>	802.11g	6 to 54	2003	2.4
<i>(Wi-Fi 2*)</i>	802.11a	6 to 54	1999	5
<i>(Wi-Fi 1*)</i>	802.11b	1 to 11	1999	2.4
<i>(Wi-Fi 0*)</i>	802.11	1 to 2	1997	2.4

"EDUP" HAS A USB ADAPTER FOR "Wi-Fi 6" FOR WINDOWS 7/10/11 AND MACS

- Make sure that you are buying EDUP's 802.11AX adapter and NOT their 802.11AC adapter
- https://www.amazon.com/gp/product/B09LWTDGZ/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&th=

1

"EDUP" HAS A USB ADAPTER FOR "Wi-Fi 6" FOR WINDOWS 7/10/11 AND MACS (continued)

- A "Windows 11" computer will already have the "Realtech" driver for this "Comfast" adapter

"EDUP" HAS A USB ADAPTER FOR "Wi-Fi 6" FOR WINDOWS 7/10/11 AND MACS

(continued)

- For a "Windows 7" or "Windows 10" computer, you can get the "Realtech" for this "EDUP" adapter at
<https://www.szedup.com/support/driver-download/usb-adpeter/>
- As of March 2021, the current model number is EP-AX1696S

"COMFAST" HAS A USB ADAPTER FOR "Wi-Fi 6" FOR WINDOWS 10 OR 11

- https://www.amazon.com/gp/product/B09M3PKGXS/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&psc=1

"COMFAST" HAS A USB ADAPTER FOR "Wi-Fi 6" FOR WINDOWS 10 OR 11 (continued)

- A "Windows 11" computer will already have the "Realtech" driver for this "Comfast" adapter

"COMFAST" HAS A USB ADAPTER FOR "Wi-Fi 6" FOR WINDOWS 10 OR 11 (continued)

- For "Windows 10" computer, you will have to download the "Realtech" driver for this adapter at <http://en.comfast.com.cn/index.php?m=content&c=index&a=lists&catid=81>

The model number as of March 2022 is "CF957AX".

"FENVI" ADAPTER ADVICE

- "FENVI" makes the best PCIe and M.2 adapters for the new 6 GHz Wi-Fi frequency band which is also known as "Wi-Fi 6E".
However their USB Wi-Fi adapters for the lower 2.45 and 5 GHz frequency bands have problems that have caused us to avoid them.

"D-LINK" ADAPTER ADVICE

- "D-Link" was the "first to market" for a USB "Wi-Fi 6" adapter back in October 2020. Their model number for this pioneering adapter is DWA-X1850. However, they have failed to support their driver for this device and at the current time (March 2022) it does not run reliably in either "Windows 10" or "Windows 11".