

3 reasons to upgrade your wireless network to Wi-Fi 6

The first update to WLAN standards in a decade was completed recently. IEEE 802.11ax - better known as Wi-Fi 6 - offers a number of benefits over the previous standard.

1

More bandwidth and capacity

Wi-Fi 6 uses existing 5GHz spectrum and allows channels to be made 160MHz wide, allowing larger amounts of data to be sent and received in the same timeframe. Additionally, AP to multiple client communications can occur simultaneously, which supports more Wi-Fi users at one time and reduces latency as more devices connect.



2

Greater speed and efficient coding

In addition to greater theoretical speeds, Wi-Fi 6 achieves higher overall data rates by more efficiently packing data in the existing communications. This is most importantly realized for applications with many connected wireless clients. Instead of the network becoming slower and bogging down, Wi-Fi 6 can better organize the data to be sent, resulting in higher performance and greater speed.



3

Security

Wi-Fi 6 supports the latest wireless security mechanism called WPA3. WPA3 makes it more difficult for hackers by protecting against brute force attacks, not allowing them to obtain useful data from management frames, and preventing the illegitimate reauthorization of clients.



Siemens Wi-Fi 6: Endless Possibilities

Make the switch. Learn more at usa.siemens.com/Wi-Fi-6

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