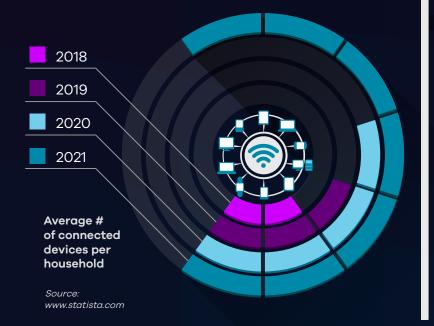
WiFi 6E

Reduce congestion with an ever-growing number of connected devices at multigigabit speeds



ZYXEL communications

What is WiFi 6E?

WiFi 6E is WiFi 6 Extended, which preserves all WiFi 6 features, with the addition of the 6 GHz band which routers did not support previously.

WiFi 6E is the name for WiFi 6 devices that operate in the 6 GHz band, a new swath of unlicensed spectrum that more than 58 countries across the Americas, EMEA, and APAC have made available for WiFi to date.

- Kevin Robinson

Senior Vice President of Marketing Wi-Fi Alliance

WiFi 6

- > Two 160 MHz channels
- > 24 available channels
-) Data Bands: 2.4 GHz, 5 GHz
- Number of 160-MHz-wide channels available: 1 (in 5 GHz band)
- > WiFi 6 is backward-compatible with earlier WiFi standards
- > Compatible with WiFi 5 and older WiFi devices

WiFi 6E

- > Seven additional 160 MHz channels
- > Hundreds of available channels
- > Data Bands: 2.4 GHz, 5 GHz, 6 GHz
- Number of 160-MHz-wide channels available: 8 (1 in 5 GHz, 7 in 6 GHz bands)
- > WiFi 6E is not backward-compatible with earlier WiFi standards
- > WiFi 6E's support only WiFi 6E devices

Subscriber Benefits



VS

SUPPORTS GREATER CAPACITY

Ideal for supporting high-resolution on virtual/augmented reality devices and supports higher capacity in IoT innovations.





LOWER LATENCY

Stream more online games, enterprise conferences, and movies in real time without delay.

NO INTERFERENCE

WiFi 6E uses only 6E-capable devices, therefore, there is no interference from microwaves, walkie-talkies, etc.



MORE AVAILABLE WIFI CHANNELS, MORE AVAILABLE WIFI SPECTRUM

Resolves connection and congestion issues. WiFi 6E devices can work without any restriction to accommodate older WiFi standards or spectrum regulations.

Sources:

https://www.cisco.com/c/en/us/products/wireless/what-is-wifi-6-vs-wifi-6e.html https://www.arubanetworks.com/faq/what-is-wi-fi-6e/ https://www.pcmag.com/news/what-is-wi-fi-6e https://www.theverge.com/2020/4/23/21231623/6ghz-wifi-6e-explained-speed-availability-fcc-approval https://www.wired.com/story/what-is-wi-fi-6e/#:~text=%E2%80%9CWi%2DFi%206E%20is%20the,for%20the%20Wi%2DFi%20Alliance. https://www.tomsguide.com/face-off/wi-fi-6-vs-wi-fi-6e-whats-the-difference https://www.tomsguide.com/fi-6e-explained/ https://www.howtogeek.com/519823/wi-fi-6e-what-is-it-and-how-is-it-different-from-wi-fi-6/ @ThioJoe https://www.youtube.com/watch?v=SrVTzRgi8uA

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