

The perfect partner for 5G? Meet Wi-Fi 6

Wi-Fi 6 in the home is the perfect companion to 5G outside the home

Wi-Fi 6 in the home

- Ability to offload 5G traffic
- Enormous ecosystem
- Indoor coverage
- Low cost

“Wi-Fi 6 can offload 5G voice and signalling traffic, not just data”

5G on the move

- Excellent performance at car, train and airplane speeds
- Low latency for mission critical apps like autonomous vehicles
- Wide coverage

Wi-Fi 5 vs. Wi-Fi 6



Speed: 39% faster per channel



Capacity: 8x8 MIMO and 4x more capacity in dense areas

Latency: OFDMA provides lower latency for apps like online gaming in a multi-user environment

Security: WPA3 supersedes WPA2

More/clean spectrum: once approved by the various regulators, the additional 6 GHz frequency means less congestion, less interference, and better performance (called Wi-Fi 6E)

Wi-Fi 6 performance matches 5G

Wi-Fi 6 is based on some of the same technologies as 5G, like OFDMA, bringing higher speeds with lower latency



100 Mb/s

Typical speed for both Wi-Fi 6 and 5G



10 Gb/s

Peak speed for both Wi-Fi 6 and 5G

- Offload 5G traffic to Wi-Fi 6 without compromising user experience
- Manage RAN costs
- Free up 5G spectrum for critical applications

On the move vs. inside the home

Let 5G excel outdoors, while Wi-Fi 6 dominates inside the home

	5G	Wi-Fi 6
Applications	Mission-critical	Business-critical
Range	1,000 m	150 m
Mobility	500 km/h	10 km/h

Download our whitepaper to learn more: [Extending the 5G user experience into the home with Wi-Fi 6](#)