

WiFi 7, also known as 802.11be, is the next generation of WiFi that will support speeds up to 40 Gbps, 4x faster than WiFi 6 and 6E.











More connected devices

latency

data rates

Speeds up to 40 Gbps

- > WiFi 6E is the enhanced version of WiFi 6
- > Supports up to 8 data streams
- **>** Bandwidth speeds of up to 10 Gbps that operate within the existing frequency bands of 2.4GHz, 5GHz, and 6GHz
- > Highest Modulation Order WiFi 6E supports 1024-QAM
- > Bandwidth (8×8)

WiFi 7

- > WiFi 7 is the 7th generation of WiFi
- > Supports up to 16 data streams

The emerging WiFi offers

- Bandwidth speeds of up to 40 Gbps using Multi-Link Operation (MLO) to utilize multiple frequencies at the same time
- > Highest Modulation Order WiFi 7 supports 4096-QAM
- > Bandwidth (16×16)

Extended Reality (XR)/Metaverse

VS

(eg: AR/VR experience)

WiFi 7 has implemented a feature called preamble **puncturing** which gives users a more continuous interference-free experience.



Social Gaming

Lower latency and faster speeds for optimal gaming experience reduced lag and improved video quality.



Subscriber **Benefits**



Cloud Computing

WiFi 7 can produce peak rates of 40 Gbps, 4x more than WiFi 6E.



Industrial IoT

WiFi 7 will introduce Multi-Link Operation (MLO) technology for increased speed and reliability - allowing devices to simultaneously send/receive data over multiple radio bands.



Video Streams

Greater bandwidth connectivity between smart TVs, mobile devices, gaming consoles, laptops and other WiFi-enabled devices. (eg: The ability to more easily binge watch a TV show at the airport on a tablet.)

WiFi 7 will be the new mainstream of the near future · · ·



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