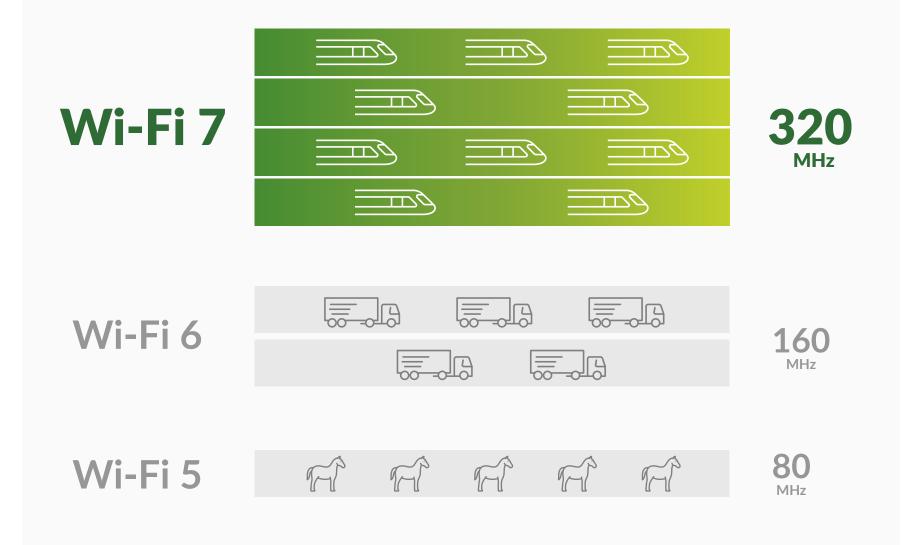
## Wi-Fi 7 Quick Guide

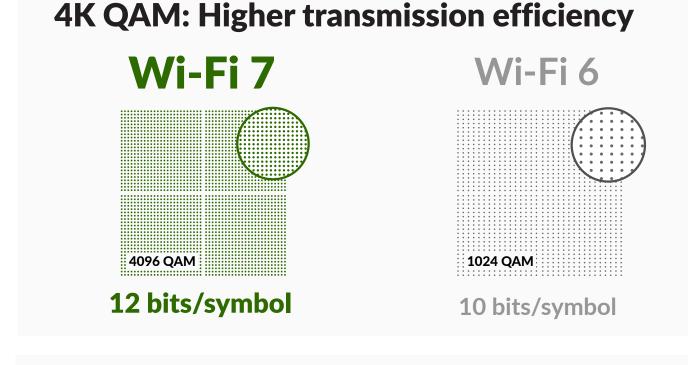


The next-generation 802.11 standard delivers faster, more secure, more resilient connections — and a host of other improvements.

## 320 MHz Channels: 2X higher throughput

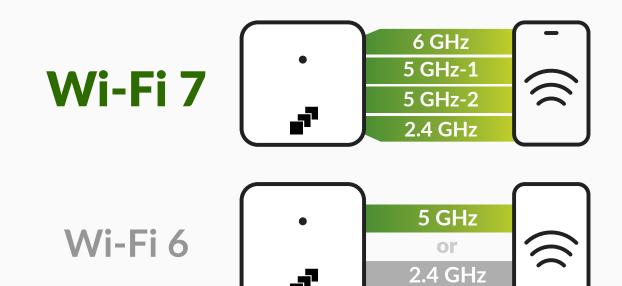
Wi-Fi 7 introduces ultrawide 320 MHz channels that are only available in the 6 GHz spectrum, effectively doubling throughput and significantly enhancing network speeds compared to previous Wi-Fi standards.



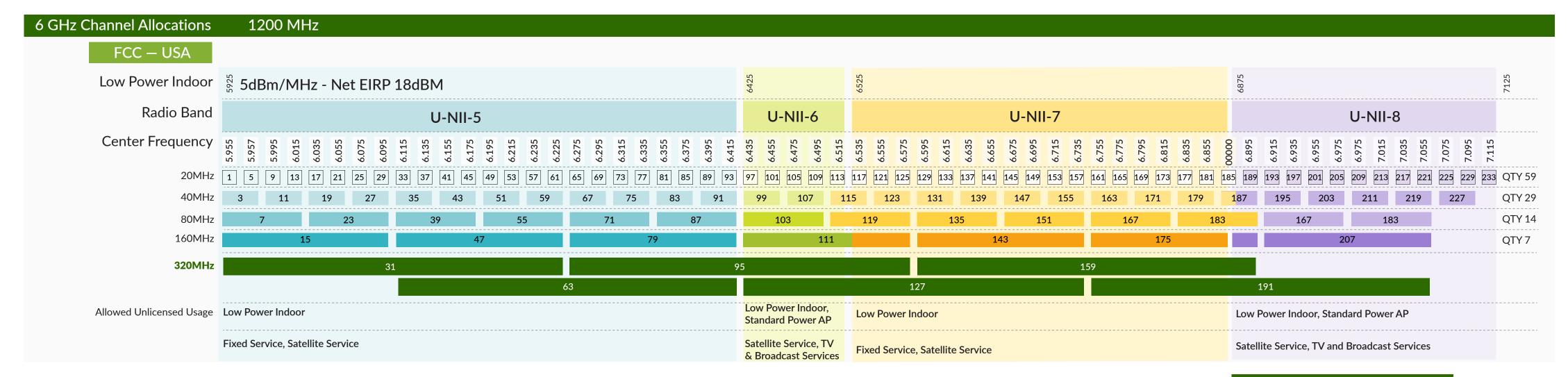


4K-QAM (Quadrature Amplitude Modulation) boosts data transmission rates by up to 20% compared to the 1K-QAM of Wi-Fi 6, thanks to its ability to pack signals more densely in the same amount of spectrum.

## Multi-Link Operation (MLO): Increased throughput, lower latency, enhanced reliability



Prior to Wi-Fi 7, devices used a single band for data transmission. For the first time, Multi-Link Operation (MLO) employs simultaneous bands to transmit and receive over multiple links, supporting more efficient load balancing, lowering latency, and enhancing reliability.



• US 6 GHz support : UNII-5 (5.955-6.425), UNII-6 (6.425-6.525), UNII-7 (6.525-6.875), UNII-8 (6.875-7.125)

• EU 6 GHz support : UNII-5 (5.955-6.425)

Learn more about Wi-Fi 7 and Juniper solutions →