

WiFi 6 Technologies



1024-QAM

Data Rate Increase

The newest modulation standard with each coding symbol containing more bytes of data than 256-QAM, resulting in a 25% data rate increase.



10 Gbps WiFi Capability

Data Transfer Speeds

11ax dual-band (2.4 GHz + 5 GHz) technology helps you overcome the limitations of single while maximizing each band's merits. Used in combination with the 1024-QAM, it increases maximum physical (PHY) data transfer speeds to 10 Gbps.



DL/UL MU-MIMO

Multiple Users Simultaneously

When compared to the previous standard, 11ax offers MU-MIMO support both in the downlink and the uplink direction, allowing client data transmissions to be simultaneously received by the AP.



DL/UL OFDMA

Improving Traffic Efficiency

The OFDMA feature allows the AP to assign different parts of the spectrum to different users, improving traffic coordination and rational spectrum usage.



Resource Unit Scheduling

Improving Traffic Efficiency

Rationalizing transmission channel usage by allocating and scheduling the resource units allows transmission channels to be reused.



Color BSS

Enhanced WiFi Coexistence

BSS reduces interference between same-channel APs by adding channel color information, increasing network capacity and stability.



Target Wake-up Time

Power Efficiency

The AP coordinates transmission times from different sources, allowing devices to sleep during the non-transmission periods since there is no need to be awake and monitor beacons sent by the AP.