Two primary factors are changing network access requirements. Hybrid work models are driving demand for more bandwidth and the need for cloud connectivity and borderless security. Advanced chipsets are bringing greater power to endpoints, including Internet of Things (IoT) devices with embedded artificial intelligence (AI) capabilities.

95% of organizations agree that communication both within teams and between locations is critical.

46% of companies are planning to roll out Wi-Fi 6E and Wi-Fi 6.

30% of companies are considering rolling out Wi-Fi 6 products.

87% of companies are planning to deploy Wi-Fi 6E by 2027.

WHY ORGANIZATIONS ARE UPGRAADING THEIR NETWORKS

REAL-TIME APPLICATIONS

Use of video and video conferencing, video streaming and other real-time applications has increased, driving the need for reduced latency.

EXPANDING DEVICE USAGE

Users are bringing multiple devices into the workplace, increasing competition for Wi-Fi bandwidth and the need for improved access management.

MISSION-CRITICAL WI-FI

Today’s wireless network should provide greater coverage to support seamless roaming among collaborative spaces.

IoT INITIATIVES

IoT connectivity often requires Wi-Fi-and-switch upgrades and new authentication and network segmentation capabilities.

LOCATIONS-BASED TECHNOLOGIES

Organizations are looking to implement location-based services for managing “hot desk” availability and providing insight into user behaviors and interactions.

FACTORS DRIVING WI-FI 6 ADOPTION

Growing Connectivity Demands

Adoption of “wireless first” networking strategies and growing numbers of endpoints are increasing demand for Wi-Fi connectivity.

WIDER CHANNELS

Devices supporting Wi-Fi 6 and Wi-Fi 6E are expected to account for 80% of the smartphone market by 2025.

Wi-Fi 6E extends into the 6GHz band, which dramatically increases capacity with 14 new 80MHz channels and seven new 160MHz channels.

FASTER PERFORMANCE, LOWER LATENCY

The 802.11ax standard enables greater throughput and lower latency to support high-performance apps and real-time communications.

ENHANCED USER EXPERIENCE

A broader spectrum and wider channels support more simultaneous high-speed connections for an improved user experience.

BROAD DEVICE SUPPORT

Want to learn more? Please contact your ProSys team to discuss how we can better support your office environment.