Wi-Fi 6
Simplified Network Design while Delivering Ultimate Wi-Fi Performance (WaaS)

Wi-Fi 6 — OPENING UP NEW POSSIBILITIES FOR WIRELESS
Improved speed, capacity, and control supports existing applications with greater performance and improved experiences. Drives innovation improving the ways people work.

YOUR NETWORK — READY FOR TODAY AND TOMORROW
AI & IT automations improve service reliability and scale while eliminating manual work:

30% of large Enterprises will use AI for their IT operations by 2023

AUTOMATE TROUBLESHOOTING and network monitoring while focusing in-house IT staff on more strategic, mission-critical projects.

IMPLEMENT A SELF-DRIVING network that uses AI to reduce network incidents, helpdesk tickets, and on-site visits all without human intervention.

4X BETTER PERFORMANCE IN CONGESTED AREAS: Improve average throughput per user by at least four times in dense or congested environments.

4X BETTER PERFORMANCE: Attach up to four times more devices with Wi-Fi 6 communicating in parallel with devices. The increased capacity is essential because the volume of mobile data traffic is expected to grow up to four times in the next few years alone.

FASTER THROUGHPUT: Deliver up to 40 percent higher peak data rates for a single device.

FASTER SPEEDS: Delivers up to 40 percent higher peak data rates for a single device.

INCREASE NETWORK EFFICIENCY: Improved by more than four times.

EXTEND BATTERY LIFE: A new "target wake time" (TWT) feature activates a "sleep mode" with wireless devices to conserve power.

THE PATH TO TRULY BRILLIANT WI-FI

ADAPT FOR TOMORROW TODAY
The following are significant benefits of an upgrade to Wi-Fi 6.

HIGHER CAPACITY
Four is the magic number! Attach up to four times more devices with Wi-Fi 6 communicating in parallel with devices. The increased capacity is essential because the volume of mobile data traffic is expected to grow up to four times in the next few years alone.

FASTER SPEEDS
Increasingly important as file sizes continue to rise, along with the greater data demands of streaming high-quality video and communication, Wi-Fi 6 can result in up to 75% less latency meaning faster downloads, better upload speeds and more reliable media multitasking.

IMPROVED SECURITY
Implementation of SAE - an authentication method making passwords harder to crack. This added layer of security, coupled with stronger encryption, means Wi-Fi has more robust security options than before.

WI-FI COMPATIBILITY
As with every other recent Wi-Fi advance, Wi-Fi 6 will be backward compatible, building on existing technologies and making them more efficient.

The Wi-Fi 6 standard builds on the strengths of earlier Wi-Fi iterations while improving efficiency, flexibility, and scalability. These enhancements provide new and existing networks with increased speed and capacity for next-generation applications.

LET'S CONNECT!
Choosing the right partner with deep experience in networking is critical. Black Box can be that partner for you. Contact a Black Box expert today, call us at 1.855-324-9909 or email us at contact@blackbox.com.