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.

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

INCREASE NETWORK EFFICIENCY: Improved by more than four times.

THE PATH TO TRULY BRILLIANT WI-FI

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

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

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 four 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**.

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