

Top tips for transitioning to Wi-Fi 7

What is Wi-Fi 7 and why does it matter?

As businesses increasingly adopt wireless-first environments, Wi-Fi has become a critical infrastructure component, placing greater pressure on networking teams to ensure seamless performance. Fortunately, the technology available today is more advanced than ever, and the ratification of Wi-Fi 7 further enhances these capabilities.

Wi-Fi 7 builds on previous generations and delivers groundbreaking improvements in speed, capacity, and efficiency, making it the most advanced wireless standard yet.

The Highlights



Increased Channel Capacity

Utilises all three frequency bands (2.4 GHz, 5 GHz and 6 GHz). Increased efficiency and consistency with multi-link operation (MLO), pre-amble puncturing and enhanced OFDMA. Supports up to **320 MHz channel widths**, increasing bandwidth and data rates for demanding applications.



Lightning-Fast Performance

Up to **4 times faster** data transfer rates than Wi-Fi 6 and Wi-Fi 6E, with lower latency for real-time applications. The shift from **1K QAM to 4K QAM** enhances spectral efficiency and boosts speeds, especially in dense environments where historically Wi-Fi has struggled to perform.



Enhanced Reliability and Security

Optimised for high-density spaces, delivering enhanced connectivity and WPA3 security with robust authentication and stronger encryption.



Future-Ready Networking

Designed for bandwidth-intensive workloads, IoT expansion, and emerging technologies like AR/VR and ultra-HD streaming.

Tips for Success

To benefit from the new features of Wi-Fi 7 a robust design and thorough planning is essential. If you're also considering a vendor switch, additional factors must be carefully evaluated. Here's some important steps for ensuring a seamless transition:



1. Assess your current network

Get started with a wireless site survey from a trusted expert. This survey will assess coverage, interference, and density, while auditing your existing hardware to ensure your infrastructure and client devices are Wi-Fi 7 ready.



2. Tailor the design

A successful Wi-Fi 7 deployment requires a strategic redesign to **maximise performance**, security, and scalability. Key considerations include channel planning, network security, seamless roaming, load balancing, and future-proofing for AI and IoT advancements.



3. Optimise and monitor

Leverage advanced monitoring tools to maintain a high-performing Wi-Fi 7 network. Solutions like **ThousandEyes, LogicMonitor, and 7SIGNAL** not only optimise performance and proactively detect issues but also provide valuable insights. By benchmarking improvements against your previous environment, these tool highlight the true value of your investment.

Get Started with Natilik

Upgrading to Wi-Fi 7 is no simple task, especially as not all Wi-Fi client devices support Wi-Fi 7 or even Wi-Fi 6. That's why partnering with an expert like Natilik is essential. As your confident guide, we will ensure a seamless transition that enhances connectivity and drives productivity across your business.

Ready to experience seamless, high-performance wireless connectivity for the modern digital landscape?