NEXT-GENERATION CONNECTIVITY

Wi-Fi 7 for healthcare

Faster network performance with enhanced congestion management, data transmission, and adaptability.

Your network can grow with your hospital's device usage. Wi-Fi 7 is designed for healthcare organisations that are increasingly using connected devices and data-heavy applications to deliver critical patient care.

This new generation of Wi-Fi optimises high speed and low latency connectivity further than ever before, continuing to support telemedicine, real-time patient monitoring, and secure staff communications.

However, you'll also be able to scale your devices and system usage as new technologies emerge, thanks to improved bandwidth. Essentially, you can continue increasing load without sacrificing network performance and negatively impacting future care.

Benefits for your hospital

More devices, less congestion
Multi-Link Operation (MLO) means your hospital's devices can communicate over multiple channels simultaneously which reduces congestion and increases reliability, without sacrificing performance for legacy devices. A Wi-Fi 7 network can also balance the range and rate of demanding applications so staff always get a great digital experience.

AI-driven access points
Wi-Fi 7 access points use AI to learn your previous and current network management style to optimise performance. This means Wi-Fi 7 APs can build on older Wi-Fi features and automatically improve wireless experiences by using MLO, OFDMA, multi resource units, preamble puncturing, and smart scheduled data transmissions.

Ideal for smart devices and IoT
Wi-Fi 7 networks are primed ready to support smart hospital developments, especially for advanced use cases like location tracking and automation. In fact, the network has a dedicated IoT radio and supports Bluetooth Low Energy (BLE) and Ultra-Wide Band (UBW) so your current and future IoT ecosystems can run seamlessly - ideal for smart technology.

Medical-grade bandwidth
Expanding your network's bandwidth means you'll be able to do more, faster. This can be useful if your list of mission-critical applications is forever growing, or you're likely to invest in emerging tech (like AI, VR/AR, or digital health innovations) in the next few years. Wi-Fi 7 is ideal here because it can securely scale without compromising effectiveness.