



NEXT-GENERATION CONNECTIVITY

# Wi-Fi 7 for Education

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



Your network can grow with your university's device usage. Wi-Fi 7 is designed for education institutes that are increasingly using connected devices and data-heavy applications to deliver world-class learning.

This new generation of Wi-Fi optimises high speed and low latency connectivity further than ever before, continuing to support remote teaching, connected lecture halls, and secure lab research.

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 learning.

## Benefits for your university



### More devices, less congestion

Multi-Link Operation (MLO) means devices in your university 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 students always get a great digital experience.



### Ideal for smart devices and IoT

Wi-Fi 7 networks are primed ready to support smart campus 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.



### 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.



### Bigger 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 edtech innovations) in the next few years. Wi-Fi 7 is ideal here because it can securely scale without compromising effectiveness.

**Are you ready for Wi-Fi 7?**

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