Whether you’re replacing slow outdated Wi-Fi or building out a whole new wireless network, MSx Networks Wi-Fi service enables secure, managed wireless for any business need.

Wi-Fi 6 is here! Designed for the technology trends of the future, Wi-Fi 6 (aka 802.11ax) will improve high density performance and provide faster throughput. TPx managed Wi-Fi service optimizes this blazing speed and provides unrelenting reliability to your wireless LAN.

Best in breed
Wi-Fi 6 technology provides higher data throughput, wider coverage range, increased reliability and longer battery life for wireless devices. Managed by the experts at TPx, it helps your business increase productivity by allowing your employees to work more freely and on more devices with an added overlay of security and control.

With the exponential increase in wireless devices, legacy Wi-Fi networks are struggling to keep pace. When connecting wirelessly to a network, we don’t care about how it works, we just want it to work — and to be fast. This is more important than ever as more of our devices are connecting wirelessly and these devices are using ever increasing amounts of bandwidth to run the applications of the future. When the WI-FI seems slow — or we can’t even connect to it — frustration follows and productivity stops. We’ve probably all said it...“this Wi-Fi sucks!”

The truth is, these problems are not always because of the Wi-Fi. Bandwidth limitations, bottlenecks, interference, or compatibility issues could be the culprits. The problem is, most of us aren’t Wi-Fi experts and don’t know how to figure out why the Wi-Fi sucks.

Where TPx can help
This is where we can help. We deploy leading Wi-Fi 6 networking technology designed for technology trends of the future. Businesses are already challenged with bandwidth-intensive media content and multiple Wi-Fi devices per user. Future wireless networks will need to handle even higher density and higher throughput
requirements to respond to the dramatic increase in the number of devices and a diverse range of new applications such as virtual reality that will all heavily rely on wireless connectivity. As Wi-Fi networks grow in size and complexity, so will issues associated with radio interference and security. TPx has the technology to deal with those issues today.

Beyond the technology, the experts at TPx will manage your wireless networks to ensure optimal performance and reduce business-crushing down time. We will be able to determine if there truly is a problem with the Wi-Fi or if the problem is really elsewhere. Wherever the issue is, TPx can help resolve it quickly, keeping your business productive and saving you money.

TPx makes sure it not only works, but it is secure as well. We control access to the wireless networks as well as what happens on it. Hackers love wireless because it can often provide them with an attack surface. A properly configured Wi-Fi network can utilize new technology that helps prevent things like Wi-Fi spoofing or rogue access points.

TPx Managed Wi-Fi Benefits

- Extends TPx’s award-winning managed services into the customer LAN for better performance, enhanced security and peace of mind.
- Enterprise-grade wireless network access
- Complete range of Wi-Fi 6 Certified models providing a seamless user experience, with faster connections, greater user capacity, and more coverage
- Reduced down time thanks to remote, live troubleshooting tools combined with networking experts
- RF optimization with real-time spectrum analysis which enables high performance wireless in dense, demanding environments
- Network visibility into the network users, their devices, and their applications for rich analytics — so businesses can quickly implement usage policies, optimizing both the end-user experience and network security

Wi-Fi 6 Benefits

- Higher data throughput (up to 4.8 Gbps) in dense environments
- Wider coverage range
- Increased reliability and reduced disconnections
- Additional frequency spectrum for IoT and other devices
- Power savings and longer battery life for wireless devices
- Improved outdoor performance
- APs that are backward-compatible with legacy clients

Powerful, enterprise-grade feature set

- Wireless health heuristics engine
- Layer 7 application QoS
- Location analytics — reveal powerful metrics such as visitor capture rate, user visit time, and repeat visits by listening for wireless devices.
- Auto-RF optimization — automatically optimizes Wi-Fi by measuring channel utilization, signal strength, throughput, and interference.
- Dedicated security radio — instantly detects interference, vulnerabilities, and attacks, across all channels.
- Air Marshal (Wireless Intrusion Prevention)
- Guest Wi-Fi
- Application visibility and control — Identify which applications are being used, and then prioritize critical apps while limiting recreational apps
- Dual-band Wi-Fi
- Multigigabit Ethernet — pass up to 5 Gbps of traffic over a single existing cable in order to take full advantage of high speed Wi-Fi

IoT connections will represent more than half of all global connected devices by 2022.

Wide range of deployment options — from low density open spaces to large, high density corporate offices.