CISCO Meraki

What can WiFi 6 do for your business?

WiFi 6 is the newest WiFi standard and is built to support a greater number of newer, faster devices and high bandwidth applications, such as streaming video.

WiFi 6 meets the changing needs of wireless networks:

HIGHER THROUGHPUT REQUIREMENTS

Data traffic per smartphone is expected to increase by ten times from 2016 to 2022

HIGHER DENSITY NETWORKS

Devices per person will increase by 50% to an average of 3.6 connected devices per person by the year 2023

CHANGING NETWORK NEEDS

80% of new IoT projects will be wireless by 2022

Here's how WiFi 6 can help your business, based on your industry:

Retail

- **Provide great connectivity to shoppers,** even if the number of shoppers suddenly increases.
- **Deliver personalized shopping experiences** through "smart shelves" which use RFID tags and IoT sensors for electronic displays of prices, ads, and promotions.
- **Monitor how fast** a product is selling.
- **Offer users an application** to check prices.
- **Collect information** about user preferences.
- **Support advancements in Point of Sale devices** and their high bandwidth requirements.

Healthcare

- **Communicate patient records,** imaging results, and real-time patient monitoring data with WiFi enabled devices.
- **Provide capacity to connect** a proliferating number of devices in hospital and clinical networks.
- **Enhance patient experience** by using WiFi 6 enabled medical devices, patient monitors, streaming cameras for virtual patient engagement, and imaging systems more efficiently.
- **Conduct better telehealth visits** by examining and diagnosing patients via mobile applications.
- **Deploy robotics, augmented reality and virtual reality solutions** to remotely carry out surgical procedures and medical training.

Banking

- **Create immersive digital banking experiences** through augmented and virtual reality.
- **Implement multimedia content** and advice for mobile users and for mobile or pop-up branches in rural areas.
- **Provide greater security** with authentication processes that capture biometric features.
- **More effectively track the position of branch visitors** and monitor if they are observing social distancing rule.
- **Increase coordination between branch employees** with quicker access to information that is needed to serve customers at a faster rate.
- **Deploy a seamless Virtual Teller Machine** (VTM) solution (video-enabled ATM machine.)

Manufacturing

- **Utilize IoT to improve operational efficiency,** increase return on investment (RoI) and create distinction over competitors, while also speeding delivery of products and services.
- **Support IoT devices without broadband degradation** and significantly extend battery life, ensuring uninterrupted connections for the connected devices.
- **Enforce policy** through WiFi 6 scheduling and segmentation, which creates better control over who or which device is allowed to transmit data at any point in time.
- **Enable workforce location** and asset location tracking.
- **Meet high bandwidth and capacity requirements** for new machinery such as AI assembly line robots and autonomous delivery trucks.

Law Firms

- **Provide reliable and high-speed network connection** for attorneys to access client data, particularly for large files such as exhibits for petitions, and multi-page scanned documents.
- **Enable more bandwidth** for video conferencing with clients.
- **Eliminate security weaknesses** of older WiFi technology and apply enhanced encryption where it's needed.

Hospitality

- **Smoothly stream a range of guest applications** including 4-8K video, VR/ AR applications, and eSports games.
- **Support many devices and systems,** including IoT infrastructure, smartphones, tablets, and laptops – in
- high-density environments such as hospitality rooms, convention centers, gyms and pools.
- **Dramatically increase WiFi speed and quality,** which is a crucial factor to guest experience and customer reviews.

Education

- **Foster collaboration** in high density areas.
- **Ensure learning remains uninterrupted** if teachers use video or other wireless technologies for instruction.
- **Be prepared to handle the hundreds or thousands of new devices** that students bring to the network.

Upgrade to WiFi 6 to secure a Wi-Fi solution using Cisco Meraki technology. This gives you exceptional wireless experience with added layers of security. Add this service as part of a predictable monthly cost to support the devices that connect to your business Internet, including laptops, POS, smartphones, and other smart devices.

For more information, contact us today.