# PRESIDIO®

# GET MODERN
## Wi-fi 6 Refresh

## CLIENT CHALLENGE

**As customers revisit EOS/EOL platforms, they encounter operational risk due to cascading requirements for updating these solutions. This, coupled with designs implemented when the solutions were new, makes for technology that rarely holds up to the demands of today's highly mobile workforce.**

## THE SOLUTION

Today's solutions are built on the newest generation of Wi-Fi 6 hardware and industry-leading infrastructure components. This includes highly scalable, flexible, and resilient WLC platforms, as well as routing and switching platforms. These platforms deliver the power and link speed requirements throughout your network to support the performance demands of your users today and tomorrow.

The Catalyst 9100 series APs support the industry-standard Wi-Fi 6 performance features such as Uplink and Downlink MU-MIMO, OFDMA, TWT, and BSS Coloring, as well as Cisco's Multigigabit Ethernet uplinks. In addition to these standards-based, Wi-Fi 6-certified and NBASE-T technologies, the Catalyst 9120 series APs support dual 5GHz configurations and the custom Cisco RF ASIC for

advanced RF features such as CleanAirTM and enough horsepower to run docker containers for IoT applications. All of these features carry forward into the Catalyst 9130 platform, but bring with them a total of 8 Spatial Streams worth of performance and the ability to operate in dual 5GHz mode without sacrificing your 2.4GHz radio.

The Catalyst 9800 WLC platforms support next-generation scalability and high-availability features such as ISSU for hitless wireless updates, AP Device Packs for the rapid deployment of new solutions, and up to 80Gbps of throughput supporting up to 6,000 APs per WLC. These features, backed by truly run-anywhere deployment models, mean you can deploy in traditional hardware appliances modes, in Public/Private cloud modes, or even embedded on a Catalyst 9300 switch or directly into a Catalyst 9100 series AP.

The Catalyst 9200 and 9300 switching platforms support the demands of the Access Point portfolio by bringing myriad models to select the port density, uplink capacity, and PoE requirements that any business environment could need.

To top off the solution options, with the Cloud-first Meraki full-stack options available, if you have adopted a cloud-centric consumption model, we have options for all organizations, large and small, campus or distributed.

## Get Modern Wi-fi 6 Refresh

### KEY BENEFITS

Wi-Fi 6 on modern infrastructure platforms provide the foundation necessary to deliver the performance and flexibility needed for workforces returning to facilities that must now follow the social distancing requirements of local ordinances. This solution, compared with the standard performance of most home Wi-Fi networks, well outstrips the decades-old solutions that are in place today that created the dissatisfied users who are now transitioning from WFH solutions to a highly mobile workplace environment. Our users are expected to be flexible enough to change locations for workforce safety, yet still maintain access to the networks with performance levels to which they've become accustomed. Many of the Wi-Fi designs that performed when these now-LDOS solutions were new deployments simply do not provide the coverage and capacity required to meet today's mobility needs.

### WHAT MAKES US DIFFERENT

The Presidio Mobility Team takes a risk-averse approach to implementing solutions to meet any customer's needs. With a focus on specific technologies that include the right mixture of private and public cloud offerings, as well as a digital-infrastructure-first methodology, Presidio has



invested not only in tools and training, but leads the industry in Wi-Fi 6 deployments at scale using time-proven, empirical-based design methodology for the most critically important networks. We design and implement in critical manufacturing and healthcare environments, as well as in all verticals in-between.

**Our Mobility Team comprises:**

- Highly certified engineering experts who lead the industry in Catalyst 9000 solution deployments.
- Highly certified Wi-Fi Design engineers using industry-standard tools and methodologies to implement today's highest-performing Wi-Fi networks.
- Deep relationship with the infrastructure manufacturer, including BE-level escalation paths.
- Nationwide sales and delivery team intimately familiar with the Catalyst portfolio and solutions built to meet tomorrow's performance demands, today.

### WHY PRESIDIO

The Presidio Mobility Team breaks down barriers by offering a range of secure, high-performing wireless solutions that increase employee productivity and efficiency. Their invaluable expertise allows clients to integrate best-of-breed mobile technologies to create a range of intelligent edge and mobility solutions. Presidio's Mobility Team utilizes a multi-step wireless approach consisting of defining, designing, deploying, and validating.

Our experience as a leader in security, inter-networking, optical, voice and managed services makes us ideally suited for enterprise-wide, industry-leading mobility deployments. These solutions give businesses a competitive advantage and provide employees with the freedom and flexibility they demand. Our approach helps clients reduce risk due to current support infrastructure and improve employee productivity through greater mobility.

**Contact Presidio today: www.presidio.com**