

[View this email in your browser](#)

Issue #26

February 28, 2022



### In This Issue:

Collaboration Chat Series • Next Gen Enterprise APs • Tech Updates • New Meraki IP Address Ranges • New Crestron Products • Join the DSI Team

A dark blue banner with a grid of light blue circles in the background. On the left is the DSI logo (a grid of squares) and "DSI DISYS Solutions Inc. DSITECH.COM". On the right is the Cisco Partner logo. The main text reads "COLLABORATION CHAT SERIES: Conferencing &amp; Webex [Tuesday, March 1, 1:00-1:30PM ET]". At the bottom is a bright blue bar with the text "CLICK HERE TO REGISTER".

In this first session of the event series beginning tomorrow, we'll take a look at conferencing tools including Cisco Webex Meetings & Webinars.



Identify current challenges, learn about products, and see how you can get started (or improve your current setup!). This chat will also feature a Q&A panel and fun interactive games with gift card prizes for the winners!

As a thank you for joining us, please enjoy a **free lunch delivery** (for the first 40 orders)! Place your meal order by today, Feb. 28th.



[Count me in!](#)

---

# Next Gen Enterprise APs

*Supporting the new 6-GHz band for Wi-Fi*



## Cisco 9136 Series Highlights

- Wi-Fi 6E technology extends Wi-Fi 6 into the 6-GHz spectrum, bringing faster speeds and lower latency while also providing more security to the network.
- Dual Multigigabit Ethernet provides power-redundant uplink ports, each with speeds up to 5 Gbps. All speeds are supported on Category 5e cabling, as well as 10GBASE-T (IEEE 802.3bz) cabling. Redundant powering provides hitless performance during failover.
- Band steering Wi-Fi 6E clients are automatically directed to connect to the 6-GHz radio to take advantage of the benefits that radio offers and free up the 2.4- and 5-GHz radios for legacy clients.
- Improvements in Flexible radio assignments with deployment modes:
  - Tri-Radio Mode: one 4x4 6-GHz radio, one 8x8 5-GHz radio, and one 4x4 2.4-GHz radio
  - Quad-Radio Mode: one 4x4 6-GHz radio, Dual 4x4 5-GHz radios, and one 4x4 2.4-GHz radio. With four total 4x4 radios (quad-radio) inside the access point, the device capacity can be increased on demand.
- Software support start with version IOS-XE 17.7.1.
- Backward compatibility with previous standards.
- Max allowed transmit power for 6-Gz is 23dB or 200mWatt.
- Power consumption specs: it's important that your LAN is UPOE to take full advantage of 9136 APs.

**Note:** WPA3 is a mandatory requirement per the WiFi Alliance for WiFi6E. WPA3 was not a requirement for previous WiFi6 standards, so with these APs you will still be future proofing your infrastructure. However, endpoints need to support WPA3 as well as 6-GHz frequency range to take full advantage, so this requirement is from the WiFi Alliance and not Cisco-specific.

## Product Details



### Meraki MR57 Series Highlights

- Wi-Fi 6E technology extends Wi-Fi 6 into the 6-GHz spectrum, bringing faster speeds and lower latency while also providing more security to the network.
- Support dual 5 Gigabit mGig Ethernet ports for high availability or for link aggregation.
- A 6-GHz 4x4:4, 5-GHz 4x4:4, and 2.4-GHz 4x4:4 radio offer a combined tri-radio aggregate frame rate of 8.35 Gbps\*, with up to 4,804 Mbps in 6-GHz band, 2,402 Mbps 5-GHz band and, 1,147 Mbps / 574 Mbps in the 2.4-GHz band based on 40MHz / 20MHz configuration. Technologies like transmit beamforming and enhanced receive sensitivity allow the MR57 to support a higher client density than typical enterprise-class access points, resulting in better performance from each AP for more clients.
- Power consumption specs:
  - With POE+ MR57 will work but USB will be disabled.
  - With UPOE MR57 will be fully functional with USB.

## Product Details

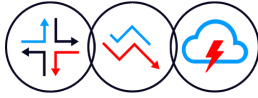
## Tech Updates



[Wi-Fi Certified 6 Release 2](#) adds new features for advanced Wi-Fi applications



[Wi-Fi Alliance 2022 Wi-Fi Trends](#)



Gartner Predicts 2022: Connecting the Digital Enterprise



Forrester: Introducing the Zero Trust Edge Model for Security and Network Services

---

## New Meraki IP Address Ranges

Meraki devices will be using the addresses within the 216.157.128.0/20 and 158.115.128.0/19 subnets to communicate with Meraki dashboard services. These IPs are all Meraki owned and operated and are in addition to previous IP addresses, not a replacement for older addresses. These new addresses allow Meraki to keep expanding its services and coverage with the dashboard web application.

Admins need to open these and future IP addresses in the firewalls upstream of your Meraki devices. This will take effect in 3-6 months, so admins have ample time to make these changes.

---

## New Crestron Products

### USB 3.2 Extender

Provides point-to-point connectivity for USB signal extension over CAT6a/CAT7 up to 330 ft (100 m). Supports USB 3.2, 2.0, and 1.1 signals simultaneously. Provides enhanced support for USB cameras and video capture devices using isochronous (ISO) transport.



[Product Details](#)

### AirMedia Solutions

AirMedia technology makes it simple for anyone to connect instantly and present confidently from

any device. Give users a consistent experience throughout your organization with:



- Clear, crisp 4k video
- Built-in Wi-Fi 6, Dual LAN port or AirMedia Connect Adaptor options to support guest network
- Customize your logo and backgrounds for a branded in-room experience
- Simultaneous share of up to nine windows for multiple presenters

[Product Details](#)

## *Open Positions*

### Join the DSI Team

DSI is committed to employee satisfaction through our benefits program and a friendly, team-based culture. We provide a positive environment for you to grow, learn, and excel as an industry professional. If you are looking for an exciting place to work that challenges your abilities and is financially solid and growing every year, then this is the place for you!

The DSI team is growing! [Current job openings & career paths](#) include **Accounting, Contracts & Proposals, Engineering, IT Management, and Sales (Federal & SLED in various locations).**

[Join our team!](#)

[Visit the Tech Topics Newsletter Archives Webpage](#)



DSI provides complete IT solutions and services that are secure, innovative, energy efficient, and cost effective. Our customers include State & Local Government and Education (SLED), Federal agencies, and commercial companies. We hold nationwide contracts that are supported by a team of industry professionals and certified engineers. Learn more at [dsitech.com](https://dsitech.com).



*Copyright © 2022 DISYS Solutions Inc. (DSI), All rights reserved.*

Want to change how you receive these emails?  
You can [update your preferences](#) or [unsubscribe from this list](#).

Grow your business with  **mailchimp**