



# SevOne Enterprise Wi-Fi Monitoring

*For complete and unified visibility across Wi-Fi infrastructures*



## Overview

In today's mobile-first business environment, users depend on quality Wi-Fi services. That's especially true when they're on an enterprise campus. Employees, customers, partners and others expect Wi-Fi that's accessible, reliable, and always delivers high performance. Anything less is unacceptable.

But meeting these expectations can be difficult for IT and NetOps teams. One reason is the enormous number of Wi-Fi-enabled, connected devices – and users' growing dependence on them. Another reason is evolving technology; 'Wi-Fi 6' is bringing more bandwidth, higher speeds, and more complexity. For teams trying to manage their Wi-Fi infrastructures using legacy monitoring tools, it's an uphill battle.

To address these challenges, organizations need to modernize their Wi-Fi systems – and include next-generation monitoring in their upgrades. By doing so, enterprises and MSPs gain the power, flexibility, and scalability they need to meet their Wi-Fi service delivery and monitoring needs now and into the future.

When it comes to 'future-proofing' their Wi-Fi monitoring and management capabilities, the clear choice among leading enterprises and top-tier MSPs is the SevOne Enterprise Wi-Fi Monitoring Solution.

## Industrial-Strength Wi-Fi Monitoring

The SevOne Enterprise Wi-Fi Monitoring Solution is a modern system. Designed to be paired up with the latest Wi-Fi offerings from vendors such as Cisco and Aruba, the solution provides Wi-Fi monitoring and management capabilities that complement and extend upon the capabilities found in the built-in, vendor-provided, Wi-Fi management tools.

It is an integrated offering that provides teams with real-time and historical visibility into their entire Wi-Fi infrastructures, end-to-end. Coverage starts with wireless devices, continues into the wireless infrastructure, encompasses enterprise campuses, and extends seamlessly into data centers and cloud-based services and applications. And now, with over 20 out-of-the-box reports, multiple teams across an enterprise from network operations, network engineering and Wi-Fi specific users can access sets of curated workflows to help users speed up the time to resolution for Wi-Fi related issues in their environment.

Unmatched speed, flexibility, and scalability, along with complete and unified visibility into modern Wi-Fi deployments are among the capabilities that make the SevOne Enterprise Wi-Fi Monitoring Solution a cut above.

# TOP FEATURES & FUNCTIONS

**Address Issues before they become problems** – This solution includes out-of-the-box troubleshooting workflows for rapid and proactive identification and mitigation of performance-impacting events and streamlining Wi-Fi infrastructure maintenance.

**Gain comprehensive Wi-Fi infrastructure visibility** – This solution presently supports Wi-Fi system offerings from Cisco and Aruba Networks, and unmatched coverage of Wi-Fi clients, wireless access points, and wireless LAN controllers, including support for Cisco Catalyst 9800 Wireless Controllers.

**Detect rogue access points** – The solution enables teams to detect when unexpected, non-IT deployed access points are found within their environments on a per controller basis, and instantly displays the relevant details.

**Understand traffic impact** – This solution can display in granular detail what traffic was flowing through specific Wi-Fi interfaces at which times to identify how traffic behaviors impact users and applications.

**Isolate and view 'breadcrumbs'** – This solution enables users to follow the performance of end user Wi-Fi stations over time to gain new insights and helps them troubleshoot up to a year's worth of Wi-Fi device to wireless controller performance.

WI-FI COMPONENT	KEY PERFORMANCE INDICATORS
WI-FI CLIENT	<p><b>Wi-Fi client list:</b> By device, frequency and OS</p> <p><b>DNS/DHCP Services:</b> Status and availability of these key network services</p>
WIRELESS ACCESS POINT (AP)	<p><b>Frequency (# of antennae)</b></p> <p><b>Connection utilization:</b> Baseline AP utilization over day, week, month</p> <p><b>Wired PoE Connection:</b> Baseline wired PoE connection</p> <p><b>Channel Management:</b> Understand wireless baseline against full spectrum and channel design plan</p> <p><b>SSID Management:</b> Understand how SSIDs are used, configured and optimize: beacon time, data rates, eliminate low/unused legacy frequencies (802.11b)</p> <p><b>Power Levels:</b> Monitor, report and optimize power levels against physical coverage areas</p>
WIRELESS LAN CONTROLLER (WLC)	<p><b>WLC Network Egress/Ingress:</b> Baseline and alert on traffic on flow data, QoS and link utilization</p> <p><b>WLC/End Points:</b> Leverage flow data to know what end points accessing the network and what QoS is being applied to what traffic types</p>

## Out-of-the-Box Reporting

The SevOne Enterprise Wi-Fi Monitoring Solution delivers over 20 different interactive reports to give IT, NetOps and engineering teams detailed visibility into their enterprise Wi-Fi and campus infrastructure deployments. The solution's extensive flexibility makes it easy for teams to leverage these reports or further customize them to meet their specific operational requirements.

Below are some examples of out-of-the-box reports used by SevOne's enterprise and MSP customers:



### Wireless LAN Controller Availability & Health

What is the current status of your WLAN controllers across your enterprise campus? What has the availability trend been? Does availability correlate at all with CPU and Memory usage?

### Wireless Signal Quality Dashboard

How does signal quality compare from one AP (or one user) to another? Where is the user located? Which AP are they associated with? Which user has sent or received the most data? Need to easily link to historical station data?



### "Breadcrumbs" Per User Historical Troubleshooting

What wireless access points, WLCs and SSIDs has a user been over the past day, week or year? What was their signal to noise ratio, transmit receive rate, error/retry %, channel history and band use at a particular point in time across multiple APs, WLCs and SSIDs?

## Solution Components

The SevOne Enterprise Wi-Fi Monitoring Solution leverages the following components of the SevOne Network Data Platform. More information about each of these resources is available on our website at [SevOne.com](https://www.sevone.com).

- **SevOne Data Appliance NMS**
- **SevOne Data Appliance DNC**
- **SevOne Data Insight**
- **SevOne Data Collector for Cisco Aironet**
- **SevOne Data Collector for Aruba**
- **SevOne Visualization Pack for Enterprise Wi-Fi**

## Conclusion

With Wi-Fi being a critical part of networking today, users expect reliable connectivity and high-quality services. To meet these expectations, enterprises and MSPs need two things: modern Wi-Fi infrastructures and monitoring systems that can keep up. SevOne solidly delivers on the second of these two requirements with its SevOne Enterprise Wi-Fi Monitoring Solution.

The SevOne Enterprise Wi-Fi Monitoring Solution makes it easy for IT, NetOps and engineering teams to ensure that their Wi-Fi infrastructures “just work”, reliably, transparently, and seamlessly with the rest of their network environments. This solution helps networking teams tackle Wi-Fi performance issues quickly and effectively so they can meet and exceed users’ expectations today and into the future.

## CONTACT US

Make sure that your organization’s Wi-Fi environment is an asset and not a liability by adding next-generation monitoring to your deployment. To learn more about how the SevOne Wi-Fi Monitoring Solution can help to ensure consistent delivery of reliable, high-quality Wi-Fi connectivity in all its buildings and locations, please contact your SevOne representative at [solutions@sevone.com](mailto:solutions@sevone.com) or visit us on the web at [SevOne.com](https://www.sevone.com).