

# Increase Productivity with Wi-Fi Performance Management

In partnership with 7SIGNAL, The Wi-Fi Performance Company, Arch Technology is pleased to offer a system focused on proactively finding and fixing Wi-Fi issues to enable the digital workplace, improve operational efficiency and enhance the Wi-Fi experience for people everywhere.



## Value to Your Organization

Wi-Fi is a key piece to your organization’s digital transformation. It’s widely seen as a mission critical asset because of how it enables workers, systems, and customers to communicate and remain operationally efficient.

So instead of chasing down issues with instrumentation and reacting to complaints, 7SIGNAL brings Wi-Fi performance data to you, from every corner of your organization.

With alerts and notifications indicating poor performance, IT professionals can address Wi-Fi issues proactively, make better device decisions for their organizations. In addition, they can avoid those “drop-everything” moments when connectivity and throughput disrupt productivity.

## Products

Patented Wi-Fi sensors called **Sapphire Eyes™** use software as a service to benchmark the performance of a location with around-the-clock user experience testing.

### Sapphire Eye Capabilities

Active Tests	Throughput, packet loss, latency and jitter, radio association, authentication, IP and DNS services
Passive Tests	Beacon availability, airtime utilization, channel utilization, data rate utilization, spectrum analysis, packet capture
APs Measured	<ul style="list-style-type: none"> <li>Sapphire Eye 2100, 4 to 8 APs based on signal strength</li> <li>Sapphire Eye 500, 1 to 3 APs based on signal strength</li> </ul>
Radio Specs	802.11ac 3x3:3

7SIGNAL’s **Mobile Eye™** software crowdsources Wi-Fi performance data at pre-defined intervals from wireless devices on the network.

Smartphones, tablets and laptops running Windows, macOS, and Android operating systems execute discrete Wi-Fi performance tests in the background against test endpoints you strategically place in your environment, at a periodic interval you define.

## Platform Benefits

- Enterprise-wide visibility of end user Wi-Fi experiences
- 24x7 Wi-Fi network benchmarking and alerting
- Leverages devices of users to globally crowdsource Wi-Fi performance data
- Easily monitor Wi-Fi network performance in remote locations
- Cloud-analytics with key performance indicators
- Discrete testing at pre-defined intervals
- Compatible with Windows, macOS, Android and iOS
- Rapid SaaS deployment model with no CAPEX

## How It’s Different

Unlike your Wireless LAN vendor, 7SIGNAL provides visibility of the Wi-Fi experience from the end-user’s point of view. 7SIGNAL software “lives on the edge”, on client devices, where the wireless experience matters most.