

The Cognio Intelligent Spectrum Management™ System

How healthy is your wireless network?

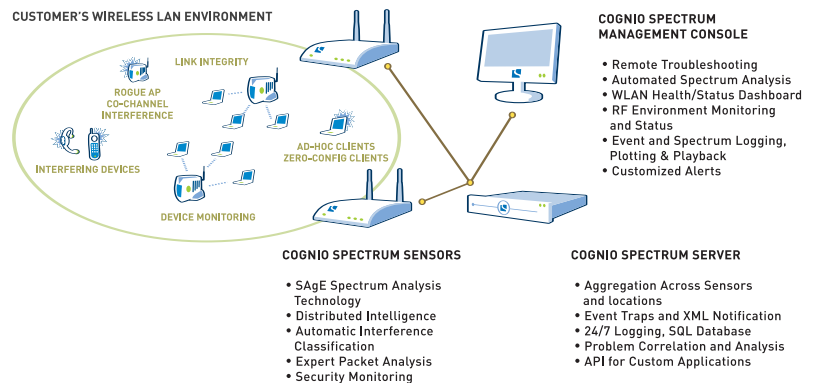
Wireless networks provide unprecedented levels of flexibility for users. But the explosive growth of wireless networks has created a layer of vulnerability that can disrupt business operations and compromise security. Wireless LANs are often mysterious, constantly changing, difficult to manage, and susceptible to RF interference. They are vulnerable to security breaches and downtime caused by unauthorized or conflicting devices. As WiFi becomes increasingly business-critical, IT managers need tools to improve wireless network performance, security, and reliability.

The solution? Cognio's patented Intelligent Spectrum Management™ (ISM) System. Cognio makes the previously hidden world of RF communications and spectrum tangible and visible. It's like having night vision goggles that let you see, monitor, analyze, and manage all wireless devices and RF sources that influence your WiFi network's performance and security, even if those devices are unauthorized or transient.

THE COGNIO INTELLIGENT SPECTRUM MANAGEMENT™ SYSTEM

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WLAN TROUBLESHOOTING SYSTEM HEALTH MONITORING PERFORMANCE TUNING SECURITY



A Powerful RF Management Platform

The Cognio Intelligent Spectrum Management™ (ISM) system is a complete solution that can be quickly and easily deployed, providing a powerful set of tools to monitor and manage your RF. At the core of the system, Cognio Spectrum Sensors monitor and log all 2.4 and 5 GHz activity on a 24x7 basis. The Spectrum Sensors communicate with the Cognio Spectrum Server which aggregates and post-processes the RF information coming from the individual Sensors, identifies and filters potential problem events, and generates alerts based on user-defined RF policies.

The Cognio Spectrum Console is an easy to understand Windows application that provides a complete current and historical view of RF link activity and AirQuality™. The Console provides preemptive problem-solving capabilities, and rapid and in-depth problem diagnosis, thus enabling swift corrective action. Wireless device status, security, reliability, and throughput reporting are shown in an easy to understand graphical format. Interference events are reported in an event log by name, e.g. Bluetooth ACL/SCO, microwave oven, 2.4GHz cordless phone, etc. For network troubleshooting the console has a complete remote distributed spectrum analyzer for real-time or historical "play back" analysis.

