# Bradford Networks and Ruckus Wireless

## Total Visibility into Who and What is on Your Network

### HIGHLIGHTS

Bradford Networks and Ruckus Wireless provide a powerful network and security solution that enables greater accessibility and security of the enterprise intellectual property and resources. Bradford and Ruckus enable enterprises to deploy secure network access policy for all corporate issued and BYOD devices on the network.

- Provides scalable Wi-Fi-as-you-grow network

- Gain enterprise-wide visibility of all devices on wireless and wired networks, and VPN

- Dynamically provision and enforce network access policies

- Ensure secure network access for personally owned devices (BYOD) & guest

- Dynamically profile devices (including IoT) on the network

- Decline rogue devices access to the network

- Automate threat response for wired and wireless devices

- Achieve regulatory compliance by monitoring pre-connect posture

### The Challenge

In the not so distant past, IT controlled all devices on the wired network and network security was relatively easy. Access was provisioned manually when a device such as a laptop was first deployed. Today with the advent of mobile devices, wireless networks and employees using their own devices, network access management is significantly more complex and difficult. A Bradford survey found that 9 out of 10 network security professionals could not confidently tell you they knew exactly who and what was on their network. Organizations want a balanced approach, they want a network security solution able to intelligently detect appropriate access for each device, reject rogue devices, grant guest access, detect suspicious behavior, and prevent security breaches. IT organizations need the wireless network to be seamlessly integrated with enterprise network access security policies.

### The Solution

Ensure Enterprise – Wide visibility and control over all devices on your network

Bradford Network Sentry enables IT to visualize all users and devices on the entire network, a critical first step toward enabling secure access and striking the right balance between accessibility and security for personal mobile devices.

Network Sentry utilizes user profile(who), device type (what), current location (where) and time of access (when) to allocate the appropriate network access to the appropriate enterprise resources. Network Sentry also allows IT to set up functional profiles types for employees, consultants, administrators, teachers, students, or guests and enable different access profiles for each type. It can also support device sharing including unique network access policies for different user profiles.

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In addition, Network Sentry minimizes a threat's impact and the response time for remediation. Network Sentry leverages its unique Live Inventory of Network Connections (LINC) to automatically correlate high fidelity security alerts from the leading firewall and Advanced Threat Detection solutions, with detailed contextual information on compromised endpoints, users and applications. Once identified, Network Sentry triggers an automated response, based on the severity and business criticality of the incident, to contain compromised devices in real time. Network Sentry also provides detailed historical information on all network connections, giving security experts unprecedented forensics to help fully understand and investigate the threat's methodology, lifecycle and scope

## Implementing Network Sentry with Ruckus Wireless Controllers

Network Sentry is fully integrated with Ruckus ZoneDirector and SmartZone controllers.  The joint solution is easy to deploy and operate, and is the most cost-effective way to support both corporate and BYOD devices with full security and de-monstrable compliance. Bradford's Network Sentry on-site or virtual appliance is designed to overlay any type of network infrastructure and has been field-tested to secure any wireless device. Implementation takes a few hours. Together, Ruckus Smart Wi-Fi and Bradford Network Sentry offer enterprise an unparalleled solution for securely deploying and expanding wireless coverage
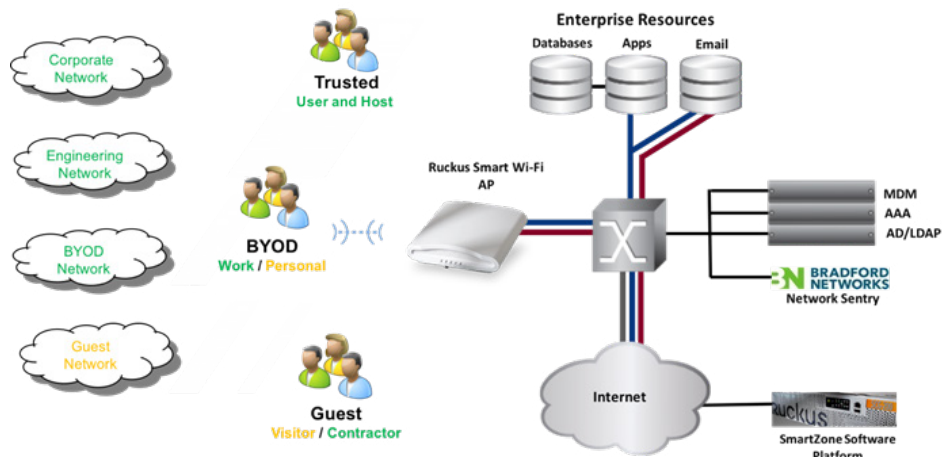


## Ruckus

Ruckus offers a comprehensive range of unique indoor and outdoor "Smart Wi-Fi". Each Ruckus Smart Wi-Fi access point integrates BeamFlex, a high-gain, directional smart antenna array. BeamFlex monitors the environment, and dynamically adjusts the signal to the best performing path, automatically steering around interference and obstacles. Ruckus Smart Mesh wireless meshing eliminates the need to run Ethernet cables to every AP, while Smart outdoor mesh APs also let enterprise easily extend coverage to temporary facilities, fields, quads, and other areas where Ethernet is nonexistent. And it's all managed as a single system from a SmartZone software platform.

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