



solution brief

iboss Solution Brief

Ruckus Wireless and iboss Secure Web Gateway

As organizations throughout the globe build their capacity to incorporate today's evolving technologies, so, too, are they experiencing a number of associated "growing pains." Specifically, education, finance, and health organizations must successfully manage the innovations and their ever-evolving network resources while addressing concerns related to accessing resources, e.g., what to allow access to and how to control that access. While one-to-one and Bring Your Own Device (BYOD) initiatives coupled with new high-performance Wi-Fi infrastructure are creating new challenges and opportunities to manage content access, high expectations for leveraging this new infrastructure is driving organizations to seek new, more flexible solutions.

To meet those demands, Ruckus Wireless has teamed up with iboss Network Security to offer a proven web-security solution that integrates wireless-network-user and wireless-device information with iboss's powerful content-security policy management. Working together, the two companies are extending single sign-on security for users accessing web content and applications. In addition, bandwidth management, which has the unique flexibility to dynamically change policies as a user move across campus, can now be customized by user, role, and device. More importantly, these policies are easy to define and automatically applied, requiring little to no IT support.

Ensure Regulatory Compliance: CIPA and HIPAA

With the emergence of Web 2.0 and HTTPS, as well as the onslaught of mobile devices and BYOD that have become a big part of daily operations, it's now imperative to secure networks beyond simply the wired devices and the standard Port 80 and 443. New applications such as torrents, anonymizers, and chat applications, such as Yahoo Chat and Google Chat, must use nonstandard ports for communication. Securing these ports ensures network compliance and reduces threat exposure while enforcing the organization's acceptable use policies (AUP). In addition, generic reporting of URL access fails to provide complete insight on the network resources utilized, and it lacks the ability to pinpoint the latest threats.

To address the "new Web," iboss Secure Web Gateway secures all aspects of Internet traffic including web filtering, SSL access, applications, bandwidth throttling/QoS, and on/off-premise mobile security with granular directory user-based reporting. By inspecting across 65,535 ports, iboss tracks and manages applications such as WebEx and Google Docs, including SSL on nonstandard ports while providing unmatched network insight. In fact, all iboss filters include the iboss Threat & Event Console for this unmatched packet-level insight.

Key iboss/Ruckus Alliance Benefits:

- Avoid "double authentication" when users open device browsers
- Directory user-based reporting vs. by IP, even for BYOD users
- Dynamically apply directory group-based policies to BYOD devices (i.e., different web policies for teachers vs. students, and organization-owned vs. personal devices)
- Granular HTTPS/SSL traffic without root certificates or agents
- Manage QoS/Bandwidth of BYOD devices to ensure critical services remain uninterrupted
- Behavioral-based malware and Advanced Persistent Threat (APT) defense
- Unmatched content awareness, allowing admins more network visibility to defend against threats and identify the "Shadow IT"

iboss Secure Web Gateway Combines:

- Web security
- Scanning inside SSL
- Layer 7 web and application security
- Granular user-based reports and live traffic dashboards
- BYOD management—authentication, bandwidth, and high-risk quarantine
- Mobile security—on-/off-premise security
- Bandwidth throttling and QoS
- Integrated Threat & Event Console

Ruckus ZoneFlex Wireless

Ruckus “Smart Wi-Fi” technology brings increased capacity, performance and reliability to Wi-Fi infrastructure. Smart Wi-Fi is a collection of unique technology breakthroughs in the areas of adaptive RF control (BeamFlex), sophisticated application-aware QoS (SmartCast), advanced security mechanisms, and resilient Wi-Fi meshing (Smart Mesh Networking). Integrated within Ruckus Smart Wi-Fi systems, these technologies ensure reliable and predictable performance that are essential for supporting today’s challenging, high-density classroom applications.

BeamFlex is the industry’s most advanced “Wi-Fi smart” antenna implementation. Combining a compact internal antenna array with expert control software, BeamFlex continuously optimizes the connection for each connected client to bypass interference and physical barriers as well as to increase range and performance of the Wi-Fi network from 200 to 300 percent. Highly sensitive antenna elements also deliver the industry’s most sensitive Wi-Fi receiving capabilities. This results in the most reliable Wi-Fi system available today.

Equally important, Ruckus provides a comprehensive BYOD solution to get new users and devices securely connected to appropriate resources without any IT involvement.

iboss Network Security

iboss Network Security’s Secure Web Gateways provide highly scalable Web Security with layer 7 visibility across all 65,535 ports, protecting networks against the latest threats. iboss SWG solutions create unmatched network content visibility and behavioral data-loss protection with advanced HTTP, SSL, application and bandwidth management. iboss provides networks with the content visibility and control needed create actionable policies. Website: iboss.com.

