



■ Get the most from your wireless LAN

Even with the obvious cost savings and productivity gains, Wireless LAN technology presents significant challenges for IT professionals. How do you:

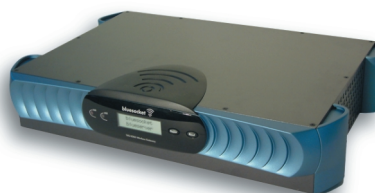
- Support a growing number of wireless devices and competing standards
- Deploy network-wide access control mechanisms
- Scale the network across the Enterprise
- Ensure data and user privacy and protect the network from unauthorized users
- Integrate your WLAN into an existing wired infrastructure

The solution: Bluesocket **WG-5000 Wireless Gateway**

The Bluesocket WG-5000 Wireless Gateway offers an open systems, enterprise-class WLAN solution to the administration, management, interoperability, quality of service (QoS) and security issues facing **large enterprises** deploying wireless LANs.

Bluesocket's high performance, policy-based wireless LAN security and management solutions are deployed worldwide by hundreds of large institutions, corporations and public access providers utilizing Bluesocket's Secure Mobility™ and HighDataDensity™ technology for wireless voice and data applications. Bluesocket end users include Harvard University and Universal Health Services, as well as enterprises, universities, government offices, hotels, manufacturers and hospitals.

Bluesocket
WG-5000 Wireless Gateway



■ What can Bluesocket's WG-5000 Wireless Gateway provide your enterprise?

Designed for Large WLAN Deployments

The Bluesocket WG-5000 Wireless Gateway is a high performance, WLAN infrastructure platform typically deployed at the core or the distribution layer of the network to aggregate WLAN traffic from existing edge switches. Expressly designed for large enterprise WLAN rollouts, it easily conforms to existing wired and wireless networks, allowing enhanced policy-based deployments. The WG-5000 features hardware-based encryption acceleration delivering encrypted data performance of 400 Mbps; and up to 1 Gbps for unencrypted traffic.

Enterprise Connectivity

Bluesocket's WG-5000 is a flexible platform providing intelligent 802.1q VLAN tagging, mobility and dynamic hardware-based WLAN traffic optimization. Equipped with two 10/100/1000 Gigabit copper or fiber network interfaces and a Gigabit failover interface, the WG-5000 supports existing network infrastructure and communicates with other Bluesocket Wireless Gateways in a "Secure Mobility™ Matrix" WLAN deployment, providing centralized management and control of configuration and policy updates across the enterprise.

■ How the WG-5000 Wireless Gateway can help you manage and secure your WLAN deployments

Universal Authentication

Bluesocket protects your network by enforcing authentication of all wireless users before they can gain access to network resources. The WG-5000 utilizes username/password combinations or digital certificates and supports a local database of users, or it can be configured to authenticate against LDAP, RADIUS, Active Directory or Windows NT Domain servers. Users can log into a Windows Domain and authenticate to the WLAN seamlessly with Bluesocket's unique "Transparent Windows Domain Login."

Where AP-based 802.1x (WPA) authentication is required, Bluesocket complements the login process transparently, allowing appropriate access for the WLAN user. Where Browser-based, secure (SSL) Login is required (e.g. Hot Spots, Universities, or for Guests or Visitors), Bluesocket supports a customizable HTML login page that allows organization-based branding and an ability to upload 3rd party SSL certificates.

Strong Encryption

To secure your WLAN directly from the user's mobile device, the WG-5000 supports both PPTP and IPsec secure tunnels- typically used in VPN switches and Firewalls. Bluesocket works with many popular PPTP and IPsec clients, including those built into Windows 2000 and XP and Macintosh 10.2. Microsoft's native L2TP/IPsec client implementation is also supported, which allows for a single, non-proprietary access to WLAN and existing remote access VPN resources.

Centralized WLAN Policy Enforcement

Bluesocket's unique role-based approach provides convenient management of privileges for different categories of users. Bluesocket Wireless Gateways match user permissions to your organizational structure. IT Administrators can define destinations (such as a finance server, router or IP address subnet), services (such as HTTP, FTP, POP3), user locations, time/date schedules, and available bandwidth to control which users have access to each resource. Multiple service and destination groups simplify policy creation and reduce the complexity and cost of administration of large-scale networks.

Quality of Service (QoS) and Bandwidth Management

Wireless LANs are a shared medium, which means that even in smaller deployments, certain users or applications could "hog" all of the bandwidth and bring the network to a crawl. Bluesocket's WG-5000 provides extensive tools for traffic engineering including prioritization, DiffServ marking and Bandwidth Management for incoming and outgoing traffic- allowing each user, role or service to be allocated an appropriate amount of the available bandwidth.

Secure Mobility™

Bluesocket's patent-pending Secure Mobility™ technology gives users of laptops, PDAs and other mobile devices wireless access to corporate networks and the Internet while moving across subnets. Secure Mobility™ gives them freedom to work where they choose- letting them roam seamlessly across networks, even while using IPsec tunneling, without the need to re-authenticate. Secure Mobility™ technology is compatible with, and enhances, current and emerging WLAN security standards such as 802.1x, WPA and 802.11i.

Open Systems Interoperability

Bluesocket's "standards agnostic" approach is optimized to support wireless devices and access points from all major vendors, and support for current and future 802.11 versions. This open systems approach means you won't be locked into a specific technology or vendor, thereby ensuring interoperability with your current and future WLAN infrastructure.

Since Bluesocket Wireless Gateways require no additional or proprietary client software, they dramatically simplify implementation and ensure interoperability. This reduces the time and complexity associated with installing, configuring and supporting additional software on each and every mobile device and Access Point in your WLAN deployments. This also ensures support for the emerging plethora of heterogeneous mobile devices irrespective of their OS and client types they support (e.g. PDAs, Scanners, Tablet PCs, VoWLAN Handsets/Devices and Integrated Laptops).

CONTACT

To see how the Bluesocket Wireless Gateway can benefit your organization, contact us at sales@bluesocket.com and we'll arrange to put you in touch with one of our valued sales and support partners in your part of the world.

Or visit our website for more information: www.bluesocket.com

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