



■ 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
- Ensure data and user privacy while protecting the network from unauthorized users
- Integrate your WLAN into an existing wired infrastructure

The solution: Bluesocket WG-1100 Wireless Gateway

The Bluesocket WG-1100 Wireless Gateway offers an open systems, enterprise-class WLAN solution to the administration, management, interoperability, quality of service (QoS) and security issues facing **medium to large enterprises** deploying wireless LAN technology.

Bluesocket's high performance, reliable, 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 Medical School and Microsoft, as well as enterprises, universities, government offices, hotels, manufacturers and hospitals.

Bluesocket
WG-1100 Wireless Gateway



■ What can Bluesocket's WG-1100 Wireless Gateway provide your enterprise?

Scalable Platform Options: WG-1100 and WG-1100 SOE

The Bluesocket WG-1100 Wireless Gateway is expressly designed for medium to large enterprises using 802.11b and high-throughput 802.11a/g WLANs. The WG-1100 Small Office Edition (SOE) has a license limitation of 15 concurrent users and is suitable for smaller offices and workgroups, while the WG-1100 is recommended for up to 100 users. Both platforms deliver encrypted data performance (IPSec, 3DES) of up to 30 Mbps and up to 100 Mbps for unencrypted traffic.

Enterprise-class Reliability

Bluesocket's WG-1100 comes equipped with 2 10/100 Mbps interfaces and a 10/100 Mbps failover port for increased reliability. It integrates easily into enterprise networking architectures and existing, wired switch deployments. The WG-1100 operates 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-1100** 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-1100 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-1100 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-1100 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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