

BlueSecure™ Controller Family



BSC-400

50 Mbps Clear
20 Mbps IPSec (3DES)
Up to 50 Concurrent Users
Now with 4 PoE Ports
Edge Device; Branch Office

BSC-1100

100 Mbps Clear
30 Mbps IPSec (3DES)
Up to 100 Concurrent Users
1-20 AP's
Network Edge

BSC-2100

400 Mbps Clear
150 Mbps IPSec (3DES)
Up to 400 Concurrent Users
10-50 AP's
Network Edge; Distribution Layer

BSC-5000

1 Gbps Clear
400 Mbps IPSec (3DES)
Up to 1000 Concurrent Users
Hundreds of AP's
Network Core; Distribution Layer

The BlueSecure™ Controller Value Proposition

Stacking Up Against The Competition

BlueSecure™ Controllers (BSCs), successfully deployed at over 1300 customers worldwide, allow you to secure and manage wireless networks while seamlessly integrating with existing wireless and wired network infrastructures. Bluesocket offers a range of scalable BSCs to support your heterogeneous enterprise WLANs— from the network edge to the core, providing the lowest per-user cost, complete wireless solution.

Feature	Bluesocket	Cisco - Aireospace	Aruba	Trapeze
Stateful Firewall	Yes	No	Yes	No
Universal Authentication	Yes	No	Partial	No
Integrated IPSec	Yes	Optional	Optional	No
Client Scanning	Yes	No	Yes	No
Built-in Worm Protection	Yes	No	No	No
Support for any Vendor's AP	Yes	No	No	No
Support for wired traffic	Yes	No	No	No
L3 Out of Range Roaming	Yes	No	No	No
Voice Firewall & QoS	Yes	No	Yes	No

BlueSecure™ Controllers provide:

- **Universal Authentication** based on username and password combination, digital certificates, smart cards or secure tokens:
 - Transparent Windows and 802.1x Authentication
 - Browser-based, secure (SSL) login
 - Leverage existing authentication databases (LDAP, Active Directory, RADIUS, ACS, Windows Domain, Kerberos)
- **Strong encryption** supporting WPA, WPAv2 (802.11i), IPSec, PPTP, SSL or L2TP/IPSec to protect user data.
- **Intrusion Detection and Worm Protection** by real-time monitoring of user behavior; blocking access to hackers and infected users.
- **Secure & Authenticated Guest Access**
- **Fine-grained QoS and Bandwidth Management** by User or Role
- **WLAN Policy Management** based on Role, Time, Location, Services, Destination or User.
- **Secure Mobility®**, allowing users to maintain their session while roaming between subnets, even when roaming out of radio coverage.
- **Zero Config AP Deployment** when used with BlueSecure™ Access Points, all configuration is automatically applied to APs.
- **Open Systems Interoperability for Mobile Devices** without requiring additional or proprietary client-side software.

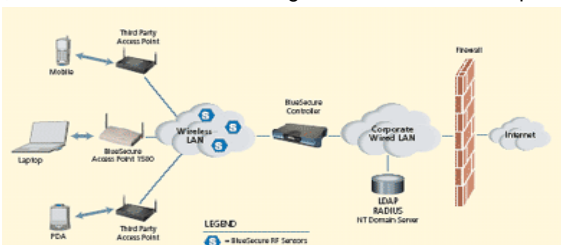
Enhancing existing AP deployments

Most WLAN controllers utilize proprietary APs requiring users to throw out all their existing APs and start over. Bluesocket not only supports the BlueSecure™ AP, but also works with existing "thick" APs from any vendor such as Cisco, Proxim, Enterasys, Avaya and others.

How it all works

Feature	Thick AP With Bluesocket	Thick AP Without Bluesocket
Authentication	✓	✓
WEP/WPA/WPAv2	✓	✓
Strong IPSec Encryption	✓	
Worm/DoS Protection	✓	
WLAN Policy Management	✓	
QoS & Bandwidth Management	✓	
Guest/Visitor Access	✓	
Client Integrity Scanning	✓	
Secure Mobility® (Subnet Roaming)	✓	

The BlueSecure™ Controller (BSC) is the trust boundary between the APs and the secure, wired network and requires no change to the existing network or client device software. Using one or multiple BSCs, Bluesocket provides seamless, secure roaming, policy enforcement, protection from viruses and worms, and QoS & Bandwidth Management across the enterprise.



Question	Bluesocket Response
<p>What problems do BlueSecure™ Controllers solve?</p>	<p>Bluesocket's enterprise-class Controllers allow organizations with thousands of users to easily integrate secure, interoperable and manageable WLANs into existing LAN/WAN infrastructure with Universal Authentication, Strong Encryption, Policy Enforcement, Bandwidth Management, and Intrusion/Worm Protection. Bluesocket's high performance, scalable, policy-based wireless LAN security and management solutions are deployed worldwide by more than 1,300 large institutions, corporations and public access providers utilizing Bluesocket's Secure Mobility® technology for wireless voice and data applications.</p>
<p>I thought 802.1x, WPA or 802.11i (WPA 2) solve security issues? What additional security does Bluesocket provide?</p>	<p>Bluesocket supports all of these security protocols, however, authentication and encryptions are only two considerations when deploying a WLAN solution. BlueSecure™ Controllers provide user or role-based policy enforcement, strong encryption, guest/visitor access, QoS and bandwidth management, subnet mobility, and protection against viruses/worms in addition to basic 802.11 security functionality. Additionally, when used with the BlueSecure™ Access Point, WLAN deployment becomes as simple as plugging in the AP and the BlueSecure™ Controller does the rest.</p>
<p>I need to secure and authenticate a wide variety of wireless users across the Enterprise at different locations, which BSC Controller is right for me?</p>	<p>Bluesocket offers a range of scalable BlueSecure™ Controllers (BSCs) to support your enterprise WLAN deployments from the network edge to the core. The BSC-400 supports branch offices of up to 50 concurrent users; while the BSC-1100 can support entire office floors of up to 100 users; for medium to large enterprises, the BSC-2100 offers hardware-based encryption acceleration, delivering encrypted-data performance up to 400Mbps/150 Mbps (3DES). For larger enterprises requiring higher throughput and centralized deployment, the BSC-5000 provides a core infrastructure platform supporting up to 1,000 users with 2 Gigabit copper or fiber ports, delivering industry leading 400 Mbps performance for IPsec traffic, and 1 Gbps for firewall traffic.</p>
<p>How can Bluesocket help me protect against proliferation of worms and viruses across my network?</p>	<p>Unlike signature-based tools or OS-specific scanners, Bluesocket has implemented real-time monitoring of Wi-Fi users' data to detect malicious traffic based on the users' actual behavior without requiring any client-side software. This enables administrators to automatically block network access to hackers or worm infected users even for "zero-day" attacks well before traditional signature-based tools have updates available.</p>
<p>What is Bluesocket's Secure Mobility®?</p>	<p>Bluesocket's patent-pending Secure Mobility® technology gives Wi-Fi users 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 if they roam in and out of radio coverage, without the need to re-authenticate. Secure Mobility® technology is compatible with current and emerging WLAN security standards such as 802.1x, WPA, and 802.11i (WPA 2).</p>
<p>What's the difference between Bluesocket and some of the other wireless vendors?</p>	<p>Bluesocket BSCs are AP agnostic, and act as a centralized, open systems solution for WLAN management & security. Other solutions claim to provide an end-to-end solution, but are proprietary, many requiring some client software or vendor-specific APs. Bluesocket is the only vendor to provide customers with choice, when it comes to a total WLAN solutions. Bluesocket interoperates with existing access points and even traffic from unsecured wired ports while also providing a Zero-Config thin AP which customers can add to expand their network.</p>

See a Bluesocket Online Demo

The best way to really see and evaluate the Bluesocket value proposition is to view the actual Bluesocket interface in an online demo. You will learn how easy and effortless it is to set up, configure and to provide the right tools for managing and securing your WLAN. Contact your regional Bluesocket sales or systems engineers to arrange an online demo.

www.bluesocket.com