bluesocket

The leader in secure mobility® solutions

BlueSecure Access Point 1500

Next generation "thin" Access Point that provides a simple, secure, centrally managed Wireless LAN solution.

BlueSecure™ Access Point 1500

The BlueSecure™ Access Point 1500 is a next-generation, "thin" access point (AP) that works in conjunction with BlueSecure Controllers for enterprise wireless LAN (WLAN) deployments. The BlueSecure Access Point features dual radios supporting 802.11 a/b/g in a plenum-rated housing with fixed omni-directional antennas.

BlueSecure Access Points extend and complement the industry-leading, enterprise-class wireless LAN security and management capabilities provided by BlueSecure Controllers. While providing industry-standard radio and security functions, role-based policy management and universal authentication functions are offloaded to centralized BlueSecure Controllers, making BlueSecure APs cost-effective and simple to deploy and manage.

A Wi-Fi Certified, Centrally Managed WLAN Solution
BlueSecure Access Points have achieved Wi-Fi certification from the Wi-Fi Alliance, guaranteeing interoperability with all client devices, and work in conjunction with all BlueSecure Controller models to provide a high performance, centrally managed wireless LAN solution for enterprises. BlueSecure Access Points automatically configure themselves across any L2/L3 network using the Bluesocket Discovery Protocol. This allows easy upgrades when new features, capabilities or standards emerge and ensures longer life span without any physical intervention.

A "Thin" AP with the Right Amount of Intelligence
The BlueSecure Access Point 1500 is a "thin" AP that provides 802.11 a/b/g user access without being overburdened with processing-intensive functions, such as IPSec VPN termination, subnet roaming and role-based policy management. These security and management functions are provided by BlueSecure Controllers using a centralized WLAN architecture.

Centralizing these common functions to the associated BlueSecure Controllers gives administrators greater control over the entire system, better scalability, performance, and the ability to easily make system-wide changes as standards and security architectures evolve. Additionally, using BlueSecure Access Points with BlueSecure Controllers provides improved roaming capabilities and low-latency handoffs between APs—making the Bluesocket system ideal for handling delay-sensitive applications such as video and voice over wireless.

Zero Touch, Plug-and-play Deployment
BlueSecure Access Points are completely plug-and-play, requiring no manual configuration. The Access Points can be directly attached to any existing Ethernet switch or IP router and across any subnet boundary. Once connected, BlueSecure Access Points "auto-configure" themselves by associating with a BlueSecure Controller. The BlueSecure Controller automatically configures each BlueSecure Access Point 1500 based on the policies and

FEATURES & BENEFITS

- **Wi-Fi Certified, Centrally Managed**
  Wi-Fi certified AP interoperates with all client devices and the BlueSecure Controller to provide a high performance, centrally managed wireless LAN solution for enterprises.

- **Thin AP Providing 802.11 a/b/g User Access**
  Works with BlueSecure Controllers in a centralized WLAN architecture for greater administrator control, and improved system scalability and performance.

- **Simplified Deployments**
  Simple "Auto-Config" deployment with configuration provided by BlueSecure Controller:
  - Bluesocket Discovery Protocol provides automatic AP discovery over L2 and L3 networks.
  - Automatic AP configuration download over a secure IP connection.
  - Upgrades to new standards and features are handled automatically.
  - No impact to current wired infrastructure.
  - 802.3af Power over Ethernet support.
  - Easy-to-install, aesthetic (all white) plenum-rated housing with tamper-proof lock and mounting bracket.

- **Unmatched Security**
  Standards-based solution ensures ease-of-use and transparency, without compromising security.

- **Performance and Reliability**
  Automatic clear channel selection, network connection, and dynamic rate shifting ensures reliable and seamless connections for users wherever they roam.

BlueSecure Access Points automatically configure themselves across any L2/L3 network using the Bluesocket Discovery Protocol. This allows easy upgrades when new features, capabilities or standards emerge and ensures longer life span without any physical intervention.

configuration set by the administrator. All Secure Mobility® roaming features are handled centrally within the BlueSecure Controller. Network administrators can configure and manage multiple WLAN Access Point deployments from a central location using Bluesocket's BlueView™ Management System.

Unmatched Security

Bluesocket delivers one of the most robust suites of standards-based security on the market today on all of its enterprise-class BlueSecure Access Points and Controllers. AP-specific security features include basic Wireless Equivalent Privacy (WEP) RC4 40/64-bit, 128-bit and 154-bit shared-key encryption. Bluesocket strengthens this basic security mechanism with additional security features, including local MAC authentication, 802.1x port-based authentication, Temporal Key Integrity Protocol (TKIP), Wireless Protected Access (WPA), and 802.11i (WPA v2) with multiple Extensible Authentication Protocol (EAP) methods for user authentication such as LEAP, PEAP, TTLS and FAST. Your wireless link receives the highest available protection with Advanced Encryption Service (AES) 256-bit encryption.

Several other "clientless" authentication and privacy methods are supported using BlueSecure Controllers for ease-of-use and transparency, without compromising the level of security deployed.

Performance and Reliability

The BlueSecure Access Point 1500 offers high performance and ensures reliable and seamless connections for users wherever they roam. Automatic clear channel selection finds the least loaded channel for interference-free communication. Automatic network connection and dynamic rate shifting keep users connected through a wide variety of conditions by changing to the optimum connection speed as they move through the network.

BlueSecure Access Point 1500 Specifications

Dual Radios Supporting: IEEE 802.11 a/b/g
Wi-Fi certified and plenum rated
802.3af-compliant Power over Ethernet support
Serial port for local console configuration/reset
Two fixed tri-band omni-directional high gain antennas with 180 degree rotation
Security: WEP, WPA (w/TKIP), WPAv2 (802.11i w/built-in hardware AES), SSID-to-VLAN mapping (up to 16), MAC ACL List (local and via RADIUS), 802.1x support (for EAP MD5, LEAP, FAST, TLS, TTLS, PEAP), and Peer-to-peer client blocking
Operating Temperature: 32° to 131° F (0° to 55° C)
Humidity: Maximum 95% non-condensing
Electrical/Safety Compliance: UL 1950, CSA 22.2, IEC 60950, EN 60950
Radios: FCC Part 15.247, RSS-210, EN 300.328, ARIB-STD 33/66, AS/NZ 4771

Secure Mobility® Solutions

bluesocket

The leader in secure mobility® solutions

For more information, visit our Website at **www.bluesocket.com**

Or call:

United States
+1.866.633.3358 (toll free)
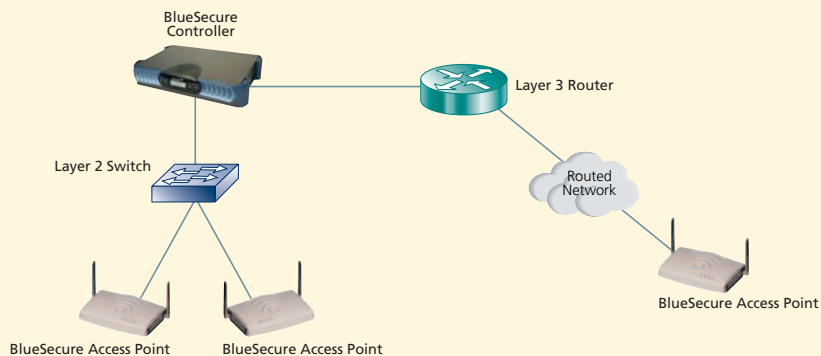+1.781.328.0888 (Massachusetts)

Europe
+44 (0) 1483.549.814 (UK)

Asia/Australia
+65 6582.3881 (Singapore)
+64 9 489.9000 (Australia/New Zealand)