

AeroHotspot™

Solutions Guide to Public Hotspots

SOHware offers Hotspot solution packages that solve the real application needs of your customer. Package options are all-inclusive, ready to deploy, and modular. You select only the right features needed for the project, which means a higher return on investment for you and your customer.

A range of portfolio options

- Stand alone hotspot (all-in-one) gateway for small and medium networks.
- Modular hotspot servers to add guest management to larger networks.
- Full site Wi-Fi coverage and extension solutions for any size property.

*Indoor and outdoor suitable
With or without existing Ethernet cables
Ubiquitous 11b/g coverage*

Comprehensive Features

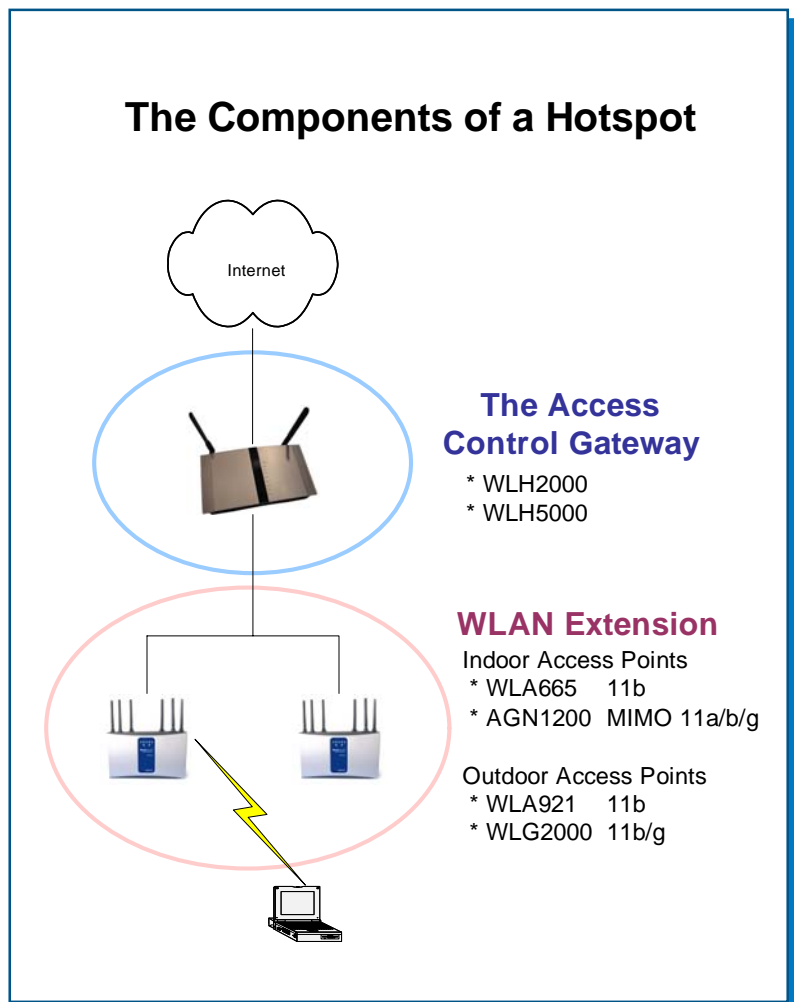
AeroHotspot™ solution packages are all-inclusive for your customer's business, whether a small café or an Enterprise campus network, and include advanced feature sets that satisfy more application requirements, including:

*Client to client privacy
Intelligent VPN pass through
Customizable Login pages
High capacity wireless LAN
Multiple billing options
Point of Sale account activation
Per client bandwidth allocation
Configuration-free guest experience*

The Components of a Hotspot

A public hotspot can be viewed in two main components; the access controller or gateway and the LAN extension. Network size and sophistication depends on the facility and number of simultaneous users anticipated to use the hotspot service. Regardless of the demands of the application, an AeroHotspot™ solution matches the need with innovative features and performance.

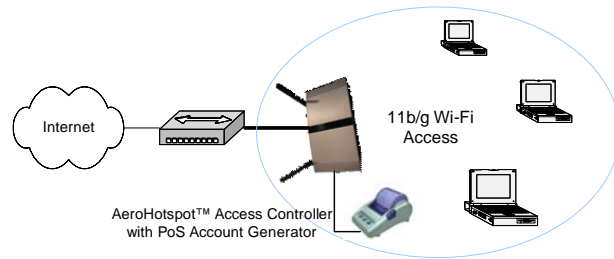
The Components of a Hotspot



Application Scenarios

Cafes, Restaurants, Lounges, and Conference Rooms

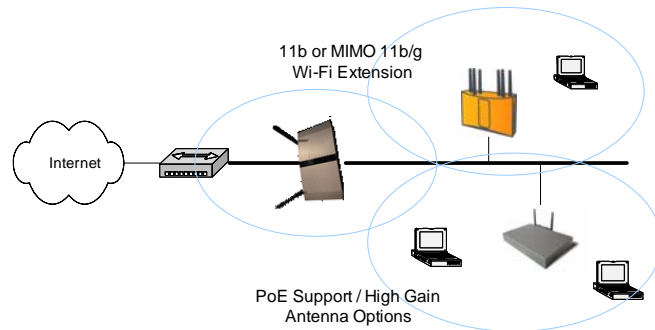
Providing Internet access to patrons, these small businesses need a stand-alone solution that is fully automated requiring minimal management. Once installed and configured, the small business manager simply wants the solution to work, whether they initiate service for each user or prefer a self-service (RADIUS or credit card) model.



AeroHotspot™ Access Control Gateways for Stand Alone Deployments

Hotels and Specialty Event Centers

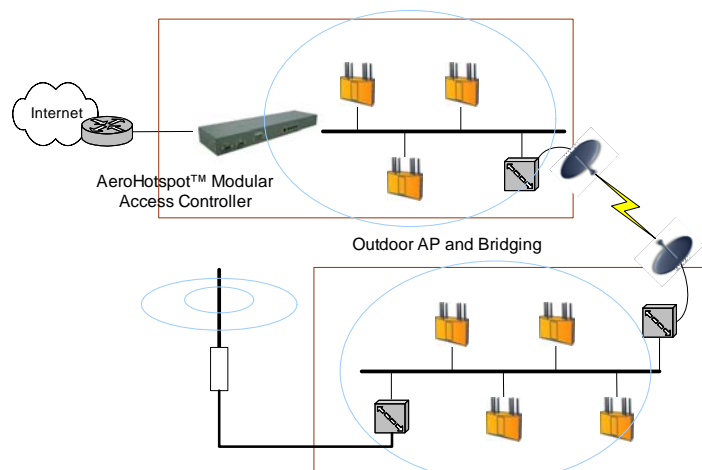
These venues need a guest management solution with the option to extend wireless access coverage tailored to the facility's site conditions. Flexible features must take into consideration the locating of WLAN access points indoors or outdoors, and still assure a hassle free, controlled access connection experience.



AeroHotspot™ Access Control Gateways with WLAN Extension

Large Hotels, Campus Dormitories, and Multi-Tenant (MTU)

Requiring secure access control for hundreds of users simultaneously, these business networks need modular solutions that offer Enterprise-class security, authentication and management. Users may be temporary guests or permanent residents. Performance must maintain adequate capacity with user based bandwidth management.



AeroHotspot™ Modular Access Controller with Indoor / Outdoor WLAN Extension

SOHware®

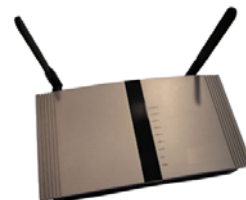
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Solution Components

Access Control Gateways

WLH2000 Secure Wireless Hotspot: an all-in-one hotspot controller supporting stand-alone or extended wired or wireless network applications:

- Advanced guest support with configuration-free IP plug-n-play that eliminates the need for client setting changes.
- Simultaneous 100 users with option to use internal or external RADIUS authentication.
- Complete AAA features and billing options, plus, optional POS password generator.
- Customizable login portal, IP redirection, advertising links and other marketing features.
- Comprehensive security including WPA, SSL login, VPN pass through, and client privacy.
- A full DHCP router with integrated 802.11b/g Access Point and 4 port 10/100 switch.
- Extensive management including user session lists, reports, Syslog and LAN device status.



WLH5000 Guest Subscriber Server: a rack mount network appliance providing comprehensive guest management control and support for extended wired or wireless network infrastructure:

- Simultaneous 1000 users with option for internal or external RADIUS authentication.
- Bandwidth allocation and VLAN tagging for CoS policy segmenting by user group.
- Advanced guest support with configuration-free IP plug-n-play that eliminates the need for client settings changes.
- Complete AAA features and billing options, plus, optional POS password generator.
- Customizable login portal, IP redirection, advertising links and other marketing features.
- Comprehensive security that includes SSL login, VPN pass through, and client privacy.
- Extensive management including user session lists, reports, Syslog, SNMP and LAN device status view.
- A full DHCP router in a rack mount appliance package with integrated 4 port 10/100 switch.



Wireless LAN Extension

AeroGuard™ Indoor WLAN

AGN1200 Series MIMO Access Points: advanced performance WLAN solution supporting multi-mode Wi-Fi with unmatched scalability for networks requiring several up to hundreds of APs:

- Industry leading True MIMO™ range and capacity WLAN performance.
- Single and dual radio models, supporting dual band 802.11a/b/g Wi-Fi.
- Embedded EWSA™ WLAN Switch software supports centralized control and management.
- Wireless mesh network option with dual radio model eliminates Ethernet cables.
- Advanced security including 802.11i compliant WPA, rogue management and client privacy.
- Internal and external RADIUS authentication supported by 802.1x.
- Multiple SSID and VLAN support for multi-user group network policy support.
- Easy to deploy with PoE support and plenum ready package.



WLA665 802.11b Access Point: rugged indoor WLAN solution for smaller networks supporting 11Mbps Wi-Fi coverage with option for attachable high gain antennas:

- 802.11b Wi-Fi with 100mW output and adjustable power levels.
- Detachable antenna allows bundling with optional high gain antennas.
- Security includes 128 Bit WEP, MAC filtering and 802.1x support for RADIUS.
- Easy to deploy with PoE support and plenum ready package.
- SOHware provides complete high gain antenna catalog with matching cables.



AeroExtend™ Outdoor WLAN

WLG2000 Access Point and/or Bridge Solution: supports 802.11b/g coverage with the flexibility of dual radio design for wireless backhaul connections:

- IP67 compliant outdoor package for direct weather exposure.
- Dual radio and dual mode, supporting 802.11b/g Wi-Fi with 100mW output.
- Internally select AP, Bridge or combination AP and Bridge functions.
- Dual radio allows wireless backhaul links with simultaneous AP coverage.
- Advanced security includes 802.11i compliant WPA and client privacy.
- Installation kit includes PoE solution for remote mast installation ready.
- SOHware provides complete high gain antenna catalog with matching cables.



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WLH2000 Secure Wireless Hotspot

- **54Mbps Data Rate with IEEE 802.11g Compliance**
 - IEEE802.11b/g compliant wireless gateway
- **IP Plug and Play Technology**
 - Instant Internet access without configuring computers for IP address, Gateway IP, DNS or HTTP Proxy settings
- **Complete AAA (Authentication, Authorization and Accounting)**
 - Radius Client interface to any standard based Radius server to support AAA (Authentication , Authorization and Accounting).
- **Multiple Billing Options**
 - Credit card support including Authorize.net and Validate.net services
 - Pre pay, post pay and other flexible methods for payment
- **High Level Network Security**
 - Supports WPA (Wi-Fi Protected Access), WEP, SSL configuration page, SSL client login page, VLAN security on LAN ports, and Layer 2 Isolation security.
 - PPTP VPN client also provided to secure the WAN port and Radius Server VPN tunnel to protect the transaction of client's Username/ Password over Internet.
- **Enhance Local and Personalized Service**
 - Customize client login/logout page and content on the optional print-out ticket.
 - Redirect end user to a pre-configured page as an Advertising web pages.
- **Powerful Management Tool**
 - Provides Web configurator, TFTP/HTTP firm ware upgrade, LAN Device Management and SNMP.
 - A Syslog function collects usage history such as billing logs, client's usage logs and client's access logs.
- **Status Monitoring**
 - Built-in status monitoring pages help operator monitor Current User, Session List, DHCP Client List and Accounts Status.
- **Local Billing function with combination of WAG2000 (Optional)**
 - An optional Account Generator/Printer creates instant user ID/Password with the push of a button to sell internet access for cash immediately.

WLH5000 Internet Subscriber Server

- **Integrated Solution for rapid deployment**
 - Serve up to 1024 simultaneous users in hotels, airports, etc to offer Internet access.
- **Deliver Instant PnP Connectivity Service**
 - With its IP Plug and Play technology there is no need to change computer settings and send E-mail without changing E-mail SMTP server settings even if their configured mail server is unavailable or behind a corporate firewall.
- **Complete User Authentication and Accounting**
 - Interface to any industry-standard RADIUS server for a full AAA control with user's login name and password
- **Multiple Billing Options**
 - Credit card support including Authorize.net and Validate.net services
 - Pre pay, post pay and other flexible methods for payment
- **Sophisticated Remote Management**
 - Manage all underlying network devices with Syslog messaging, SNMP and LAN devices Management to reduce maintenance overhead.
- **Comprehensive Security**
 - Provide a fully-secure operating environment with VPN pass through, SSL certificate, Layer 2 Isolation V-LAN Security.
- **Enhance Local and Personalized Service**
 - Customizable log-in page and redirect end users to external web pages, and walled garden locations
- **Built-in AAA/Billing System**
 - A proprietary AAA and billing system for Internet access billing without an external AAA and billing server.
- **Hotel PMS System Support Optional**
 - Support PMS billing system interface is optional.

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