

# AeroGate™ WLH3000

## Wireless Hotspot Gateway

### ***Complete Hotspot Solution***

All-in-One Features for Small Business

### ***Supports 50 Concurrent Users***

Cafes, Hotels, Visitor Lobbies

### ***Flexible AAA Billing Options***

Supports Amenity or Fee Based Service



The AeroGate™ WLH3000 is an integrated wireless hotspot gateway that combines all the guest access features needed by a small business offering fee

based or amenity Internet access. The WLH3000 may be deployed behind a firewall router providing AAA access to a network segment, or as a stand alone gateway connected directly to a Broadband modem. Includes an integrated access point for 802.11b/g wireless guest connections, and provides a 3-port 10/100 switch for wired network extensions. Authentication may be managed locally through an internal database, or externally to a RADIUS server with secure VPN tunneling to protect user login privacy. Software configuration options include AAA account setup and billing and branded log-in experience. Extensive management and reporting options are available.

### ***Features and Benefits***

**Layered Network Options** - Supports up to three separate subnets for administrative separation of trusted and untrusted (internal vs. guest) users, each with unique access policies.

**Integrated Wireless 802.11g Access Point** - Supports up to 54 Mbps wireless connections with backward compatibility for legacy 802.11b clients, and allows WDS bridging to extend the WLAN.

**Complete AAA with Flexible Billing** - Provides internal or external authentication setup options for managing up to 2000 on-demand accounts. Billing profiles enable multiple fee based service options on an account by account basis. The gateway will be field upgradable with credit card support in May - 2006.

**Session Management** - Provides full control over time and bandwidth usage, with monitoring and reporting features that allow for tracking the status of each account.

**High Performance Platform** - Designed to manage up to 50 concurrent users with Firewall throughput of up to 90Mbps to insure transparent user Broadband experience.

**Customizable Marketing Features** - Allows local venue or ISP brand customizing of login page, redirection of Web browser, and access to Walled Garden.

**Business-class Security** - Provides security measures to protect user privacy, provide Secure Socket Layer (SSL) Browser protection, and secure user transactions when external authentication

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## Features

Capacity	50 concurrent users 500 local accounts 2000 on-demand accounts
Guest Services Support	IP Plug and Play (iPnP): eliminates re-configuration of IP, DNS or proxy settings Client privacy: Layer 2 isolation blocks client-to-client detection Email support: seamless email through SMTP redirection VPN pass through: supports client to server tunneling for IPsec, PPTP DDNS: for dynamic IP WAN account association with public URL
Web Portal	Browser based user name and password log-in Customizable log-in screen for brand identification (text and graphics)
Authentication Options	Internal server: up to 500 user accounts locally External servers: RADIUS, LDAP, POP3, NT Domain Up to 2000 on-demand guest users can be maintained locally or externally
Accounting Options	Session control by time and bandwidth usage (hours / MB) Session idle time accounting Billing profiles: stores up to 10 definable profiles Credit card gateway (authorize.net support available May 2006)
Marketing Support	Web login branding, Walled Garden, IP redirection upon login
Networking	WAN service: Static IP, DHCP (server or relay), PPPoE, PPTP client NAT routing options: IP/Port redirection, DMZ and virtual server mapping LAN segments: supports three IP subnets to define trusted and untrusted networks
Security	SSL log-in: secure Browser access WPA: AES/TKIP/WEP encryptions and 802.1x (EAP-MD5, EAP-TLS, CHAP, PEAP) Access control: user Black List, MAC filtering, MAC pass through PPTP secure tunneling to external account (RADIUS) servers SSH remote management access Firewall: packet filtering rules, DoS protections
Management	Account status and IP-based device monitoring Session logging by account based on time or bandwidth usage Syslog reporting (system / subscriber / LAN devices) Remote management: SNMP v3, firmware update, config file backup and restore

## Hardware Specifications

Protocols	TCP/IP, NAT/PAT, DHCP (client & server), UDP, DNS, PPPoE, TFTP
Network Standards	IEEE 802.3 (10BaseT), 802.3u (100BaseTx), 802.11b/g
Physical Ports	WAN ports: Two - 10/100BaseTx ( RJ-45) LAN ports: Three - 10/100BaseTx ( RJ-45) Console port: One - RS-232
Access Point	802.11g OFDM / DSSS (Wi-Fi compliant) - 2.4 GHz Data rates: Up to 54Mbps with auto-fallback to 802.11b data rates Antennas: two articulating dipole (2 dBi), detachable (RPSMA connectors)
Power Requirements	100 - 240 VAC, 50/60 Hz (external adapter) Consumption: 5V, 2 Amp
Indicators (LED)	One - Power Five - 10/100 port Link / Activity One - Wireless Link / Activity
Dimensions	9.5 (W) x 5.7 (D) x 1.6 (H) inches Net weight: 2.4 lbs
Environment	Operating temperature: 40 - 110 deg F Humidity: 10 - 90%, non-condensing
Installation	Desktop or wall mount - indoor use only
Certifications	FCC Class B, CE
Warranty	1 year, limited

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Your Partner For SMB Networking. SOHware, Inc. Headquarters 3050 Coronado Dr.  
Santa Clara, CA 95054 Tel 1.800.632.1118 Fax 1.408.565.9889 [www.sohware.com](http://www.sohware.com)