

Integrated Wireless Hotspot Gateways

(WLH400-H and WLH500-H)

SOHOware introduces a specialized gateway series specifically designed for small commercial businesses who wish to create or add public hotspot access to high speed Internet services. The gateways are a complete turn-key solution, requiring no additional hardware or software.

There are two models, each providing a different guest authentication method that allows business managers to select the most appropriate solution for their market. The gateways include an integrated Wi-Fi compliant Access Point and Ethernet switch, providing both wired and wireless connectivity for mobile devices including laptops, PDA's and Wi-Fi phones.



Ideal for cafes and coffee shops, restaurants and other food service venues, as well as institutions such as libraries, academic student unions, museums and other cultural facilities. Quick to install and configure - an all-in-one solution.

Key Features and Benefits

Guest Connectivity

Dynamic Address Translation - Includes dynamic address translation that provides true plug-n-play experience for guests connecting to the service for the first time, eliminating the need for the user to make any network configuration changes.

Integrated 802.11b+ Access Point - Wireless networking speeds up to 22 Mbps are supported, which allows any Wi-Fi compatible device to obtain an Internet connection.

Four Port 10/100 Switch - Includes four 10/100 Mbps LAN ports to support an Ethernet network for wired PC connections, as in a cyber-cafe and/or for administrative needs.

Authentication and Billing Options - Two AAA Ready Models

WLH400-H - RADIUS Client - Supports popular Internet Service Provider roaming services by automatically connecting guests to the ISP's RADIUS server. Let's the ISP handle the service billing process.

WLH500-H - Internal Authentication - Provides an internal database that let's the business owner manage their own clientele without an ISP. Simple to operate with a one button password/user name generation system located at the point of sale. *Now offers **credit card** billing.*

Administration and Security

Customizable Login Page - Guest entry page allows text and logo graphic customizing.

VLAN Isolation - Layer 2 - Maintains complete guest privacy between each connected user.

SSL Certificate - Secure login access option for guests and administrators

VPN Pass-through - Supports guest access to corporate servers when using their VPN clients

Additional Features and Benefits

Intuitive Web Interface - administrative setup and configuration of the device may be done locally or remotely using a standard HTTP Browser

SNMP Remote Management - Allows an ISP or IT installer to provide contracted services for monitoring and managing the device to maximize service up-time.

Marketing Support - Can display advertising URL links, "free zone" Walled Garden, and portal page redirection.



WLH500 Gateway with POS printer provides one button Password generation

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+
Physical Ports	WAN port: One - 10/100BaseTx (RJ-45) LAN ports: Four - 10/100BaseTx (RJ-45)
Wireless Access Point	802.11b+ (Wi-Fi compliant) - 2.4-2.5 GHz Data rates: 11 / 5.5 / 2 / 1 Mbps auto-fallback (supports 22 Mbps for wireless clients that are 802.11b+ compatible)
Power Requirements	100 - 220 VAC, 50/60 Hz (external adapter) Consumption: 5V, 2.5 Amp
Indicators (LED)	One each - Power, Status One - WAN port 10/100 activity (modem connection) Four - LAN port Link / Activity One - Wireless Link / Activity
Dimensions	200 (W) x 130 (D) x 44 (H) mm (7.87 x 5.12 x 1.76 in.) Net weight: 0.4 Kgs (0.89 lbs)
Environment	Operating temperature: 0 - 50 deg C Humidity: 10 - 90%, non-condensing
Certifications	FCC Class B, VCCI, CE, UL
Warranty	1 year, limited

Software Specifications

Concurrent Users	100
Broadband Services	Cable or xDSL (static or DHCP), PPPoE / PPTP client
Guest Management	Dynamic address translation: accepts all static or DHCP, DNS and proxy settings Services support: internal Email server, DNS redirection Marketing: Walled Garden, portal, customizable login page, URL advertising links
Billing Options	Configurable for rate level, service time, currency, and usage accrual type Credit cards: VISA, MC, Discover and AE (for WLH500 with keypad option only)
Authentication Options	WLH400-H - RADIUS client: compatible with major online ISP roaming services WLH500-H - Internal account database with dedicated POS password printer
Security	SSL login: for guest or administrative access to Web interface V-LAN layer 2 isolation: privacy between clients 802.1x wireless authentication support VPN pass-through: IPSec / L2TP, PPTP
Management	Web interface: browser based with intuitive Wizard-based configuration SNMP v1&2, MIB I&II with traps Syslog reporting (system / subscriber / LAN devices) Event logging: real-time session list URL filtering for specific IP's or an IP range

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