



All-in-One Wireless Hotspot Solution for Hospitality Venues

Benefits

All-in-One Hotspot Gateway

ZyXEL G-4100 v2 is an all-in-one hotspot gateway that provides free or charged secure Internet access according to your business's policies. It provides authentication and accounting functions for both wireless and wired clients, and supports up to 100 concurrent users. The G-4100 v2 works with ZyXEL's SP-300E statement printer to generate and print tickets with account, password, and pre-configured time for Internet access hours automatically through a few button clicks on SP-300E. All functions required for hotspot services are self-contained in the G-4100 v2 making it the perfect broadband access solution for hotels, inns, coffee shops, bed-and-breakfasts, and other multi-guest locations.

Scalable, Easy-to-Manage User Authentication and Accounting

With an easy-configuration authentication server embedded in the G-4100 v2, no additional hardware or software are required for hotspot operators to offer Internet services. The G-4100 v2 also supports RADIUS server for large-scale hotspot service deployments in chain stores or airport terminals to provide roaming service from one spot to another through centralized authentication and accounting features.

Best Hotspot User Experience with Security and Privacy

The G-4100 v2 features rich networking functions such as IP PnP, DHCP server, NAT, MAC address and IP address filtering. The IP PnP technology enables the ultimate "zero configuration" user experience by transparently taking care of the IP networking, which dramatically improves user satisfaction and reduces technical support needs. The user no longer needs to change the IP address, subnet mask, default gateway, Web proxy or even SMTP server settings. Moreover, V-LAN security for wired and wireless client, NAT, Layer 2 isolation, as well as MAC and IP address filtering technologies also work behind the scenes to ensure protected user privacy, keeping sensitive personal data from being exposed to the public.

Tailor-Made Hotspot Gateway for the Hospitality Industry

With powerful marketing features built into the G-4100 v2, operators can customize the login page, redirect user to advertisement links, or provide limited Internet access to the designated home page. Additionally, powerful management features such as SSL login page, secure remote function, LAN and WLAN device management are all specifically designed for hotspot offerings. For easy deployment, the G-4100 v2 and SP-300E supports Power over Ethernet (PoE), so the hotspot solution can be freely placed regardless of the power outlet location. The G-4100 v2 is not only a gateway tailor-made for hotspot deployments, but also customizable to fit business and service needs.

- Integrated Hotspot Service
- Scalable User Authentication and Accounting
- Rich Networking Functions
- Customized Login Page, Advertisement URL Link and Walled Garden Features



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G-4100 v2

Specifications

IP Plug and Play (iPnP technology)

- Easy-to-Use, Zero Configuration IP Plug and Play Internet Access

Rich Networking Functions

- NAT
- Outgoing SMTP Server Redirection
- DNS Redirection
- Various WAN connections (Static IP/DHCP Client/PPPoE/PPTP)
- DHCP Server
- Transparent HTTP Proxy
- NTP (Network Time Protocol) support

User Authentication and Accounting

- Supports up to 100 concurrent users
- Web-based Authentication
- Idle-timeout Control

Security and Firewall

- Layer 2 Isolation Security
- SSL Login Page and Administration
- VPN (IPSec/PPTP/L2TP) Pass through
- Pass through IP and MAC Address
- Custom SSL Certificate
- Administration Access Control

Management

- Web-based management tool
- TFTP/HTTP firmware upgrade
- Central scheduled firmware upgrade

- Backup/Restore Configuration file
- WLAN/LAN devices Management
- Devices Status Monitor
- Session List
- Syslog Messaging System
- Default printer (SP-300E) support

Marketing Cooperation

- Passthrough IP/MAC/URL
- Custom Login Page
- Login Page Redirect
- Advertisement URL link
- Walled garden
- Portal page redirection

Hardware Specifications

Network Specification

- IEEE802.3 10BaseT Ethernet
- IEEE802.3u 100BaseTX Fast Ethernet
- IEEE802.11g Wireless LAN

Connectors

- 4 LAN Ports and One WAN Port
- 10/100BaseTX with auto MDI/MDI-X
- RS-232 port (For debugging and testing purpose only)

Wireless Data Rate

- Up to 54 Mbps with auto fallback with 802.11b

Encryption

- WEP 64/128, WPA-PSK

SP-300E Printer

- Cable Type: Ethernet, up to 100 meters
- Thermal Paper: FD410, 58mm width, 50m length
- Roll Diameter: 63mm outside, 12mm inside

Physical Specifications

External Antenna Type

- 2dBi (Max) Dual detachable diversity antenna with reverse SMA connector

Power Requirement (G-4100 v2)

- External Power Adapter
 - Input: 100-240 VAC, 50/60 Hz, 0.35 A
 - Output: 5V, 2A
- 802.3af POE
- Dimensions: 8.4 (W) x 5.5 (D) x 2 (H) in
212.5 (W) x 138.5 (D) x 52.0 (H) mm
- Weight: 1lb (508 g)

Power Requirement (SP-300E)

- External Power Adapter
 - Input: 100-240 VAC
 - Output: 5V, 2.5A
 - 802.3af POE
 - Dimensions: 4.3(W) x 6(D) x 3.5(H) in
109(W) x 155(D) x 90(H) mm

LED Indicators

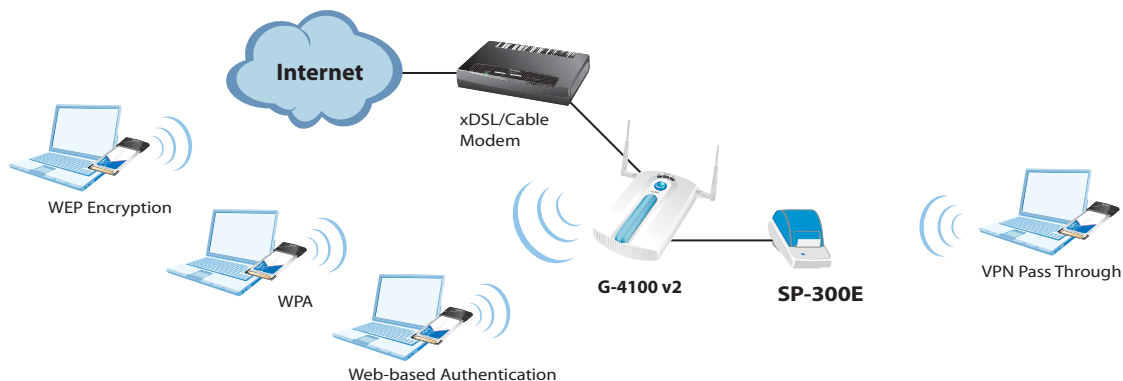
- One POWER LED
- One WAN Link/Activity LED
- Four LAN Link/Activity LEDs
- One Sys LED
- One Blue Wireless Link/Activity LED

Environmental Specifications

Environment Conditions

- Operating Temperature: 32°F ~ 122°F
0°C ~ 50°C
- Storage Temperature: -22°F ~ 140°F
-30°C ~ 60°C
- Humidity: Max. 90% non-condensing

Application Diagram



For more product information, visit us on the web at www.ZyXEL.com

