300Mbps Hotspot Wireless Subscriber Gateway

The PLANET WSG-500 is a multi-function, all-in-one Wireless Hotspot Gateway for wireless public hotspot application. For hotspot service providers, the WSG-500 is the ideal integrated solution for rapid deployment of hotspot service with enhanced service performance.

The WSG-500 comprises built-in 802.11 b/g/n 2.4GHz Access Point with 2T2R MIMO technology to facilitate less dead-spot wireless service. It serves as a Web server for clients to easily login the hotspot wireless service. Designed with plug and play function, the WSG-500 hotspot service can be activated quickly. The WSG-500 also provides easy Logo-loading for branding a hotspot store, simple user/visitor account management tool, payment plans, PayPal credit card gateway, traffic logs, IP sharing and etc. By the WSG-500 co-working with the Account Generator, the WSG-ACG5, the multiple billing features give the mobile visitors flexible choices of the payment mode.

The WSG-500 brings hotspot service providers an extra advantage of flexible installation. It is packed in a wall-mountable, dust-proof (IP 50) metal housing. In addition, the WSG-500 is compatible with 802.3af PoE standard so that it can be powered through Ethernet cable and be installed anywhere to provide the optimal Wireless coverage of the installed site such as Cyber Café, Department Store, Hotel, Airport and any other public places.

KEY FEATURES

IDEAL HOTSPOT SOLUTION

Via the integrated high performance 802.11b/g/n wireless interface, mobile users can establish high speed Internet access without any configuration.

ZERO CONFIGURATION (PLUG-N-PLAY) INTERNET ACCESS

The WSG-500 translates proper IP address information for Internet access and all IP configurations, either DHCP Private IP or Static IP information will be turned into Internet-ready configurations. Subscribers will not need to face the inconvenience of IP reconfigurations.

BUILT-IN PROPRIETARY AAA MECHANISM AND BILLING SYSTEM

The WSG-500 integrates Web-Based Authentication (including subscriber SSL logon page), selective Web-Based Accounting and proprietary billing mechanism, which can help the hotspot service providers to prepare a billing mechanism in a very short time and bring the most convenience and least efforts for billing applications.

RADIUS AAA SUPPORT

The WSG-500 provides standard based Radius Client to communicate with any standard based Radius server, in order to support AAA (Authentication, Authorization and Accounting).

SECURITY AND FIREWALL

With built-in 64/128-bit WEP, WPA/WPA2, subscriber SSL Login Page / Admin Page and VPN (IPSec/PPTP) Pass through various security features, the WSG-500 brings you an ease-of-use, most comfortable and safe Internet access environments.

EASE-OF-USE AND MANAGEMENT

The built-in web management interface in the WSG-500 brings the most convenience to system administrators or machine operators while configuring machines or setting up subscribers privilege in movements. The clerks or machine operators may printout billing and other user information by the button-operated printer included with the WSG-500. If the user time increases, simply press the printer button multiple times to compile the usage information. No computers or complex back-end subscriber managed systems are required for deployment.

VIRTUAL SERVER & DMZ CAPABILITY

The standard and user-defined Virtual server function included in the WSG-500 offer the most flexibility to share local resources like Email, FTP or HTTP servers to the Internet in a more secure way. The DMZ (De-Militarized Zone) capability helps LAN users to act like an independent Internet node that communicates to the Internet in both directions while maintaining security for LAN users.

APPLICATIONS

Wireless / Wired Internet Access in Public Locations

With PLANET WSG-500 Hotspot Wireless Subscriber Gateway, you can now provide mobile users hassle free, plug-and-play wireless / wired Internet access in public places such as coffee shop, restaurant, airports, train station, campus or hotel. For wireless Internet access, users can use their mobile devices such as notebook or mobile phone with Wi-Fi capability to get seamless Internet Access for Internet surfing, E-mail connection or link to company network via VPN without any IP configuration. You can also utilize the WSG-500 built-in billing mechanism to provide accounting and billing functions.

SPECIFICATION

Product	300Mbps Hotspot Wireless Subscriber Gateway
Model	WSG-500
Camera Specification	
Ports — LAN	2 x RJ-45 (10Base-T/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
Ports — WAN	1 x RJ-45 (10Base-T/100Base-TX, Auto-Negotiation) IEEE 802.3af Power over Ethernet (PoE) complied
Ports — WLAN	IEEE 802.11b/g/n 2T2R
Frequency Band	2.412GHz ~ 2.4835GHz
Wireless Data rate	Up to 300Mbps with auto fall back with 802.11b and 802.11g
Wireless Encryption	WEP 64/128 bit, WPA / WPA2 with TKIP/AES
Wireless Antenna Type	5dBi (Max) Dual detachable diversity antenna with reverse SMA
Wireless Channel	FCC: Ch1 ~ Ch11 ETSI: Ch1 ~ Ch13
Wireless Receiver Sensitivity	802.11b: 11Mbps@-84dBm 802.11g: 54Mbps@-69dBm 802.11n: 300Mbps@-65dBm
Wireless Transmit Power (EIRP)	802.11b: 18 dBm 802.11g: 16 dBm 802.11n: 16 dBm
Internet sharing	Plug-n-Play Internet access
Protocol	TCP/IP, HTTP,HTTPS, DNS, NAT, NTP, DHCP
LED Indicators	1 x Power LED 1 x WAN Link/Activity LED 2 x LAN Link/Activity LEDs 1 x WLAN Link/Activity LED 1 x Internet Link LED 1 x WES (Future Purpose) 1 x USB (Future Usage Update)

AAA / Billing	Built-in Authentication Exclusive Printer Accounting without PC operating Web-Based Login Page Authentication Web-Based Accounting Flexible Billing Profiles and Price Plan Flexible Billing Mechanism Flexible Time Mechanism (Time to Finish and Accumulation) External Terminal Server (WSG-ACG5) RADIUS Authentication Credit Card Support (Authorize.net, PayPal) 10 Customizable Billing Profile Remaining Credit Reminder Accumulation Billing Account log
Security	Layer 2 Isolation SSL Login Page SSL Administration VPN Pass through (PPTP) Pass through Destination IP/URL Pass through Source IP/MAC Restricted Destination Filtering IP/URL Share LAN Resources Customize SSL Certificate DoS Attack Protection IEEE 802.1x (EAP-MD5, EAP-TLS, CHAP, PEAP)
Management	Supports Multiple Authentication Methods (Local and On-demand, RADIUS) Supports Multiple Logins with One Single Account SSL Protected Login Portal Page Administrator/ Manager/ Operator Management Access Local Account: Max. 500 Supports Guest Accounts: Up to 2000 Customize Login / Logout Page SSH Remote Management Policy-Based Access Control IP-Based / MAC-Based Privilege List Friendly Notification E-mail Backup / Restore / Factory Default Setting Remote Firmware Upgrade System Information Table Per-user Traffic History Log Supports External Syslog Server Billing Report Summary Bandwidth Control Session Idle Timer Session / Account Expiration Control Secure Remote via PPTP VPN Supports SNMP v1/v2c SSL Certificate Upload
Power Requirement	12VDC, 1A
Dimension (W x D x H)	204 x 134 X 35 mm
Environment	Temperature: -30 ~ 70 Degree C (operating) Humidity: 0 ~ 90% (non-condensing)
Emission	CE, FCC
Model	WSG-ACG5-KIT
Product	WSG-ACG5: Console Terminal Server / Account Generator for WSG-500
LAN Interface	10/100Base-TX, Auto-Negotiation / Auto-MDI
Console Interface	2 x RS-232 DB9
Button	6 push button
Power Supply	12VDC, 1A
Thermal Printer	2-1/4" Thermal Printer
Power Supply	8VDC, 3.5A

ORDERING INFORMATION

WSG-500	300Mbps Hotspot Wireless Subscriber Gateway

Data Sheet

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