

WIAS-1200G

802.11G Internet Access Server



The AirLive WIAS-1200G is a new generation of all-in one solution for Hotel, Cafe, Restaurant, or WISP operators to sell Internet connections. It features a powerful Intel 400Mhz RISC processor and large memory capacity so AirLive can integrate all the conceivable features that provide simple yet powerful Internet Access accounting solution. This means providing and selling Internet services has finally become simple and affordable for everyone.

802.11G
Wireless

WDS
Repeater

Billing
System

Bandwidth
Manager

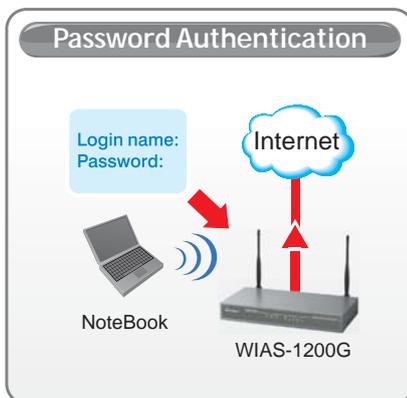
Password
Authentication

Selling Internet by Time or Traffic

The WIAS-1200G has a built-in local authentication server that you can create instant accounts for Internet access. You can specify how long the usage time (in hours), starting time, expired time, and service price for each of the 10 different billing account type, so you can sell Internet service by time. Moreover, you can also choose to sell Internet by traffic (in MBs). A new account can be instantly generated with user name and password information; then you can print this information on a conventional printer, or to the ticket printer TP-1000.

The AirLive WIAS-1200G also provides Payment system for Instant account, **Authorize.net** and **PayPal** system. So user can use credit card to pay for the networking fee, or to expand the usage time for Internet access.

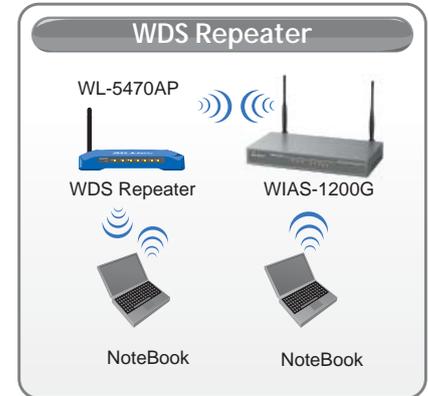
Web Password Authentication



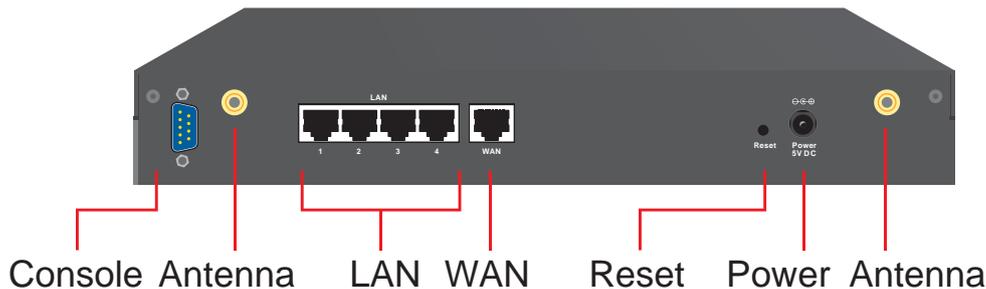
When the user receives its printed account information, all the needs is just to open the web browser. Then the WIAS-1200G will automatically switch the window to ask users for the user name and password. Once correct information is entered, the user can use the Internet connection. Furthermore, a status window will pop up showing users how much time has been used and how much time is left. From this window, users can also manually log out or redeem more credits to extend the service. Of course, there is also idle timeout feature (enabled by administrator). Best of all, the administrator is enable to **customize** the login page, message on the ticket, and the homepage. So service provider can have its own outlook.

802.11G wireless with WDS function

The WIAS-1200G features a powerful built-in wireless AP system with 2 removable antennas (included) for extra distance. Therefore, Cafe or Restaurant can provide wireless Internet service without using extra APs. The wireless function can be configured to have a different authentication method from the LAN ports. Built-in client separation function prevents wireless or wired clients seeing each other on the network for the safety and privacy. In addition, WPA, WPA-PSK, 802.1x and WEP encryptions are provided for maximum security. If your network requires wider coverage, the built-in WDS repeater function allows you to expand the wireless network without using wires at all.



Public and Private ports

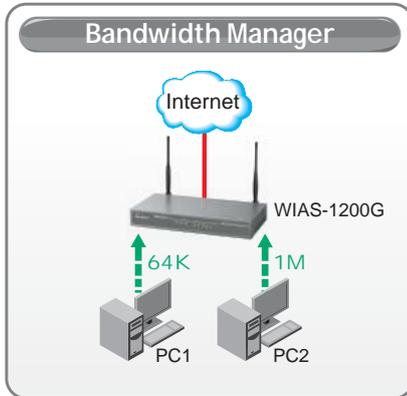


The WIAS-1200G's 4 LAN ports are divided into 2 different groups. Any computers connected to the **Public ports** (LAN1&2) require password authentication. For larger environment such as hotels, you can connect switches or AP networks to these ports. The **Private Ports** offer administrators and privilege users' direct access to Internet. The **Public ports**, **Private ports**, and **wireless network** are on different subnets (3 IP subnet and DHCP servers). Therefore, you can define the firewall rules, authentication policy, and bandwidth separately for each group. The RS-232 Console/Accessory port is for console mode configuration, or allows users to attach additional accessories to the gateway.

Versatile Authentication

In addition to instant accounts, the gateway also support 500 local users account. So you can sell monthly service. In additional to local authentication, AirLive also offers simultaneously supports a variety of authentication servers: RADIUS, POP3, LDAP, Windows Domain (AD). Therefore, it can also fit into your existing hot spot environments.

Bandwidth and Firewall management



The gateway also supports bandwidth management function. So you can control the **speed** of the user's account. The Firewall management allows you to define different service type. For example, administrator can define the firewall so only web and email service is possible. Administrator can also restrict users by using MAC access control for up to 40 entries.

The **Wall Garden** feature let administrator to limit destination to certain websites only, up to 20 URL/domain is definable. Accounting report, user activities, and security report can be delivered to administrators via email or the Syslog server.

Versatile and Secure Administration

In addition to the standard Web management interface, the WIAS-1200G also offers console management in an event when the machine can't be access from the network. For secure management, the WIAS-1200G offers SSH, SSL, and SNMP (read only) managements.

Installing a wireless billing system is a simple and versatile way to provide Internet service to your customers. Not only you can quickly recover your investment with the affordable cost of the device, you can also offer better service and convenience to your customer. Visit your authorized AirLive dealers today.

Specifications

Features

- 500 local user accounts
- 2000 On-Demand Accounts
- MAC Access List
- User bandwidth control
- Wireless Layer 2 User Isolation (VLAN)
- Walled Garden
- Multiple authentication policy
- Local WEB, LDAP, POP3, RADIUS and NT Domain authentication
- RADIUS and local accounting
- User login schedule
- Real-time user monitoring
- Instant Account Generator
- Accessory/Console port
- Up to 50 concurrent users (recommended)

Hardware

- CPU: Intel IXP-420, 400Mhz
- Flash: 32M
- DRAM: 64M

Connectors

- 1 x 10/100 Mbps WAN Port
- 2 x 10/100 Mbps Private LAN Port
- 2 x 10/100 Mbps Public LAN Port
- 1 Console/Accessory RS-232 Port(9 pins)
- 1 Reset Button
- 1 Power Connector

Wireless

- Atheros Chipset
- Transmitting Mode
 - IEEE 802.11b/g
- Transmitting Speed
 - 1, 2, 5.5, 11 or 6, 9, 12, 18, 24, 36, 48, 54 Mbps with automatic fallback
- Transmitting Power
 - Max.100mW (20dBm)
- Antenna
 - 2 x detachable 5dBi Diversity Antenna (SMA)

- Modulation Methods
 - 802.11b: DBPSK, DQPSK, CCK
 - 802.11g: BPSK, QPSK, 16-QAM, 64-QAM
- Wireless Encryption
 - WPA-TKIP/PSK, WEP64, WEP128
- WDS
 - Wireless Distribution System up to 3 Repeaters
- ESSID Suppression
 - Turn on/off ESSID broadcast Wireless VLAN to keep clients from seeing each other

User Authentication

- Authentication Method
 - Web, POP3, LDAP, RADIUS, and Windows Domain Server
 - 500 Local User Account
- On-demand User for Instant Account
 - 2000 Instant Account (10 account types)
- Payment System for On-demand User
 - Authorize.Net and PayPal System
- Billing Method
 - Time or Network Usage (MB)
- Black List Configuration
- User Policy
 - Firewall, Route, Schedule, Total Bandwidth, Individual Bandwidth
- 10 Guest User Account for temporary access
- Multiple Login on single account (Not available for RADIUS and On-demand)
- Customized Login/Logout pages for On-demand
- 40 sets of MAC Address Control
- 40 sets of Privilege IP/MAC
- Login Notification email

Network Configuration

- 40 sets of Static Assignments with similar DMZ feature

- 40 sets of Public Accessible Server
- 20 sets of Walled Garden allows to access URL / Domain
- 10 set of external Proxy Server Relay
- DDNS

System Administration

- SNMP support v2 read-only access
- SSH remote management
- SSL web management
- Console admin functions
- Firmware backup/restore
- Firmware update

Reporting / Monitoring

- Online User Monitoring
- Monitor up to 40 IP devices alive status
- User History Log
- Mail History Log to admin
- Syslog server
- On-line billing report for On-demand user

Physical Specification

- Dimension: 300 x 156 x 43 mm
- Weight: 1.12Kg
- Power Consumption
 - Transmit mode: Max. 560mA
 - Receive mode: Max. 250mA
- Operating Temperature: 0 ~ 55 °C
- Storage Temperature: -20 ~ 65 °C
- Operating Humidity: Max. 90% Non-condensing
- 5 units for a outer box, 15Kg for gross weight

Ordering Information

WIAS-1200G 802.11G Internet Access Server