



OvisLink
The Total Networking Solutions



WIAS-1000G
Air Live
Wireless Internet Access Accounting Server

The AirLive WIAS-1000G is an all-in one solution for hotel, Cafe, Restaurant, or WISP operators to sell Internet connections. It features 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.



Selling Internet by Time or Traffic
The WIAS-1000G 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). Once you setup the account type. Simple go to the Instant Account Creation page, then one of the 10 buttons (account types). A new account is instantly generated with user name and password information. Then you can print this information on a conventional printer, there is no need to pay extra for ticket printer. To make it even simpler, the Direct Login will take user directly to this account creation page right after login. Optional external printer is also available from third parties.

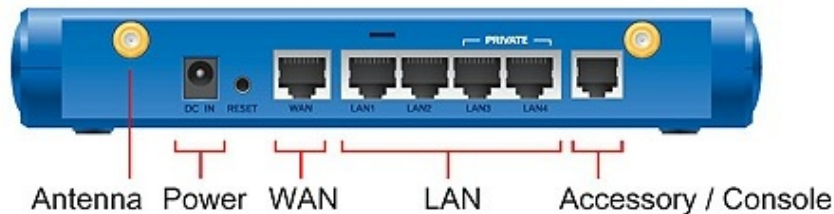
Web Password Authentication
When the user receive its printed account information. All he needs now is just open the web browser. Then the WIAS-1000G will automatically pop-out a window asking for users to enter user name and password. There is no need for end user to install any software! Once correct 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 windows, 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-1000G 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-STK, 802.1x and WEP encryptions are provided for maximum security. If your network require wider coverage, the built-in WDS repeater function allow you to expand the wireless network without using wires at all.

Public and Private ports

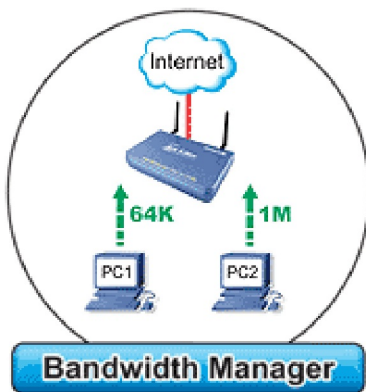


The WIAS-1000G's 4 LAN ports are divided into 2 different groups. Any computers connected to the Public ports (LAN1&2) require password authentication. For larger environment such as hotels, you can connect switches or AP networks to these ports. The Private Ports offer administrators and privilege users 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 RJ-11 Console/Accessory port is for console mode configuration or allow 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, OvisLink 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 support 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 50 URL/domain are definable. Standard IDS/IPS system protect the network from hacker attacks. Accounting report, user activities, and security report can be deliver to administrators via email or the Syslog server.

Versatile and Secure Administration

In addition to the standard Web management interface. The WIAS-1000G also offers console management in a event when the machine can't be access from the network. For secure management, the WIAS-1000G 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 OvisLink dealers today.

**Currently supporting PPPoE, DHCP, and Fixed IP connection only. PPTP under development.*

FEATURES & SPECIFICATION

Features:

- 500 local user accounts
- 2000 On-Demand Accounts
- MAC Access List
- User bandwidth control
- User Isolation (VLAN)
- Walled Garden
- Multiple authentication policy
- WEB, LDAP, POP3, RADIUS and Domain authentication
- RADIUS and local accounting
- GRIC Roaming support
- User login schedule
- Real-time user monitoring
- Instant Account Generator
- Accessory/Console port
- Up to 100 concurrent users (50 recommended)

Hardware:

- CPU: Intel IXP-425, 400Mhz

Connectors:

- 1 WAN Port (10/100 Mbps)
- 2 Private LAN Port (10/100 Mbps)
- 2 Public LAN Port (10/100 Mbps)
- 1 Console/Accessory Port (RJ-11)
- 1 Reset Button
- 1 Power Connector

Wireless:

- Intersil Prism Frisbee 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 2dBi Diversity Antenna (SMA)
- Modulation Methods
 - 802.11b: DBPSK, DQPSK, CCK
 - 802.11g: BPSK, QPSK, 16-QAM, 64-QAM
- Wireless Encryption
 - WPA, TKIP, 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

Networking:

- Operation Mode
 - Router or NAT
- WPA support
 - WPA, WPA-PSK, 802.1x only
- EAP over LAN (EAPoL)
 - TLS, MD-5
- WAN connection method
 - Static IP, DHCP, PPPoE
- Dynamic DNS
 - Supported
- Network Time Protocol (NTP)
 - Sync built-in real-time-clock (RTC) with multiple external NTP servers
- IP Plug and Play (IPPnP)
 - Eliminate client IP reconfiguration
- DHCP modes
 - Act as DHCP server or relay
- IP/ Port Destination Redirection
 - 40 set of IP or Port address redirection
- SMTP Redirect
 - Support 1 Simple Mail Transmit Protocol redirection
- Specific Route
 - 6 sets of routing profiles with 10 rules each
- HTTP Proxy Server
 - 10 sets DMZ Server Mapping
- 40 sets
 - Virtual Server Mapping
- 40 sets

User Management:

- 2000 Instant Account (10 account Type)
- 500 Local User Account
- User Policy
 - 3 user policy (Firewall, routing profile, bandwidth control, login schedule, Black List)
- MAC ACL
 - 40 sets of MAC addresses which are allowed to open login page
- Authentication Method
 - POP3, POP3S, LDAP, RADIUS, Windows Domain Server
- POP3 Server Authentication
 - support SSL (POP3S)
- LDAP Server Authentication

- Server IP, Port Number , Base DN
- Windows Domain Server Authentication
 - Transparent login
- RADIUS Authentication
 - PAP/CHAP
- RADIUS Attributes
- Start time,End time ,User ID,User MAC , User IP, Packets In,Bytes In, Packets Out, Bytes Out , User-Name, Calling-Station-Id, Framed-IP-Address, Acct-Terminate-Cause, Acct-Input-Octets, Acct-Output-Octets, Acct-Input-Packets, Acct-Output-Packets
- WISP Support
 - GRIC
- Multiple Login on single account
 - Yes
- Privilege IP/MAC
- Session idle timeout
 - in minutes ; up to unlimited
- Login notification email
 - automatic POP3 email link to login page

Security Functions:

- Firewall
 - 3 sets of firewall profiles with 10 rules each based on Protocol / Port/ Source MAC / Source Port / DestinationPort / SourceIP/DestinationIP/ network segment
- Walled Garden
 - 50 URL/ Domain /Network Segments
- DoS Protection
 - NMAP FIN/URG/PSH; Xmas Tree; SYN/RST; Ping of Death; Null Scan; SYN/FIN
- User SSL web Login
 - supported
- User Isolation Technology
 - block communication between all downstream clients
- Secured Shell Host
 - SSH Console login
- VPN pass-through
 - IPsec and PPTP

Reporting / Monitoring:

- Online User Monitoring
 - Reporting Field: ID, IP, MAC, Packet In/Out, Idle time, force logout
- Authentication Sever fail
 - Error message with admin contact info
- WAN Fail detection

- Deny or open all access with error message
- Device monitoring
 - Monitor up to 40 IP devices alive status
- User History Log
 - Field: Start/End Time, ID, IP, MAC, Packet In/Out, Idle time
- History log email
 - Send out every 1~12 hr or stored up to 3 days

Accounting:

- External Accounting Servers
 - RADIUS, Optional Micros-Fidelio Property Management System (PMS)
- Billing Plans
 - Up to 10
- Billing Method
 - Time (hour) or Network Usage (MB)
- Credit Redemption
 - customers add credit to account prior expiration
- RTC
 - built-in real time clock

System Administration:

- SNMP support
 - SNMP V2c ready-only access
- SSH remote management
 - Supported
- 128bit SSL web admin
 - Supported
- Customized Login/logout page
 - Image limited at 512K
- Remote firmware update
 - Supported
- External Syslog Server
 - Supported
- Console admin functions
 - Reset / change admin password / debug utilities / service status
- Firmware backup/restore
 - Supported
- Remote firmware update
 - Web UI
- Console Admin
 - reset / change admin password / debug utilities / service status

Physical Specification:

- Dimensions: 24 x 4.5 x 16.5cm (W)x(H)x(D)
- Removable 2dBi Diversity Antenna (SMA)
- Power Consumption:
- Transmit mode-Max. 650 mA
- Receive mode-Max.250 mA

- Operating Temperature : 0 °C ~ 70 °C
- Storage Temperature: 0 °C ~ 85 °C
- Operating Humidity : 10~80% non-condensing
- Storage Humidity: 5%~90% non-condensing



Antenna Power WAN LAN Accessory / Console

Ordering Information

WIAS-1000G

Wireless Internet Access Accounting Server

OvisLink



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