



**APM CO., LTD**

## AWAG-601

### 802.11b/g Secure Access Controller



## Features

- **54Mbps Data Rate with IEEE 802.11g Compliance**

The AWAG-601, which is based on the IEEE 802.11g wireless standard, operates at a 2.4GHz frequency, it interoperates with any IEEE 802.11g and IEEE 802.11b compliant wireless device.

- **IP Plug and Play Technology**

This technology helps solve connectivity problems by offering instant Internet access without the need for configuration changes to the client computer or any resident client-side software. This means that even client configuration such like network IP address (included Gateway IP, DNS) or HTTP Proxy settings is different with the provided network, client still can access to the network instantly with their existing network configuration.

- **Complete AAA (Authentication, Authorization and Accounting)**

As an Access Controller in Hotspot application, AWAG-601 provides standard based Radius Client to communicate with any standard based Radius server, in order to support AAA (Authentication, Authorization and Accounting).

- **High Level Network Security**

Several Network Security protocols are provided in AWAG-601 to fully secure the wireless communication and secure data transfer over the wireless LAN, such like WPA (Wi-Fi Protected Access), WEP, SSL configuration page, SSL client login page, VLAN security on LAN ports, Layer 2 Isolation security.

In addition, a PPTP VPN client also provided in AWAG-601 in order to establish a secure tunnel between AWAG-601's WAN port and Radius Server to protect the transaction of client's Username/ Password over Internet.



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### • Enhance Local and Personalized Service

The AWAG-601 allows fully customization on the client login/logout page and content on print-out ticket. AWAG-601 also has the ability to redirect end user to a pre-configured page as an Advertising web pages, it help hotspot operator to promote their other products or services.

### • Powerful Management Tool

The AWAG-601 provides several effective management tools to Hotspot operator to manage or maintain their Hotspot devices and service from remote site.

The management tools included Web configurator, TFTP/HTTP firmware upgrade, LAN Device Management and SNMP.

A Syslog function also provided in AWAG-601 to help Hotspot operator to collect the "history" log like billing logs, client's usage logs and client's access logs.

### • Status Monitoring

The AWAG-601 implements the status monitoring pages to help Hotspot operator to monitoring their Hotspot service. The status monitoring pages are Current User, Session List, DHCP Client List and Accounts Status.

### • Local Billing function with combination of AAG-200 (Optional item)

Real panel of AWAG-601 reserve a DB9 connector which allow to connects with an optional item Account Generator-AAG200.

With an optional AAG-200, Hotspot venue owber can utilize it to generate an one time account by pressing one button on the AAG-200 to the user who want to purchase it by cash and access to the internet immediately. It will bring extra revenue to the hotspot venue owner.



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### Specifications

Network Specification	IEEE802.3 10BaseT Ethernet IEEE802.3u 100BaseTX Fast Ethernet IEEE802.3af Power over Ethernet IEEE802.11g Wireless LAN 54Mbps IEEE802.11b Wireless LAN 11Mbps ANSI/IEEE 802.3 NWay auto-negotiation Wi-Fi Certified
Compatibility	All Wi-Fi certificated wireless adapters Supports all operation systems
Interface	Four LAN Ports (10BaseT/100BaseTX Auto cross-over) One WAN Port (10BaseT/100BaseT) One Serial Port (1 DB9 DTE male connector for AG-200)
Wireless Operation Range	Open Space: 100~300m Indoors: 35~100m
Wireless Data Rate	Up to 54Mbps with auto fall back with 802.11b
Frequency Band	2.4G Frequency Band
Encryption	64/128/256-bit RC4
Modulation Type	OFDM,DSSS ,BPSK,QPSK,CCK
External Antenna Type	2dBi (Max) Dual detachable diversity antenna with reverse SMA Typical Maximum power output 17 dBm Typical Maximum receive sensitivity -87 dBm
Power Requirement	External Power Adapter Input: 100-240 VAC, 50/60 Hz Output: 5V, 2 Amp
LED Indicators	One POWER LED One WAN Link/Activity LED Four LAN Link/Activity LEDs One Wireless Link/Activity LED One System LED
Dimension	Size: 242(L) x 130.5(W) x 112.6(H)
Environment Conditions	Operating Temperature:0 to 50°C Storage Temperature: -10 to 60°C Humidity: 10%~ 90% non-condensing 10%~80% condensing



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Certifications	FCC part 15 Class B / VCCI Class B CE Mark / UL / TELEC / R&TT/C-Tick
Mounting	Desktop / Wall mounted
Plug & Play	Zero End-User Configuration
Concurrent Users	100
Rich Networking Functions	NAT (RFC 1631) SMTP Server Redirection DNS Redirection Static IP WAN connection DHCP Client WAN connection PPPoE WAN connection PPTP Client WAN connection DHCP Relay Transparent HTTP Proxy Support DDNS NTP Client
User Accounting and Authentication	Web-Based Authentication RADIUS AAA support (RFC 2865,2866) Secondary RADIUS User Authentication and Accounting Logout Window Timer Control
Security and Firewall	SSL User Login page/ Configuration page Layer 2 Isolation V-Lan Security Pass Through IP/MAC/URL address VPN (IPSec/PPTP/L2TP) Pass through PPTP VPN Client 802.1x
Management	Web-based management tool TFTP /HTTP firmware upgrade Wizard setup for step-by-step configuration Backup/ Restore configuration file Remote Authorized Management Real-time Session List LAN Device Management Syslog (System/Subscriber/LAN device) E-mail logs SNMP v1/v2 (MIB II with traps)



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## AWAG-601

Marketing Cooperation	Standard login page Customizable log-on and log-off pages Advertisement URL link Wall garden
Extra Function with optional AG-200	Local Authentication Local Accounting Local Billing

### Topology



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