

CQW-AP108AG

Pre 802.11n 108Mbps Wireless Access Point

The CQW-AP108AG utilizes Airgo True MIMO™(Multi Input Multi Output)technology of Airgo Networks in the U.S. MIMO segments data and send it using multiple antennas at both the sending and receiving sides. Thanks to Airgo's innovative multi-antenna signal processing technology, the product achieves throughput approaching 108Mbps that is twice as fast as the traditional IEEE802.11a and IEEE802.11g standards (54Mbps) . Furthermore, the product's high tolerance against interference caused by radio wave reflected from obstacles gives much longer communication range, allowing you to establish a large scale wireless network using just a small number of access points. Not only that, the product lets you fully utilize the existing wireless devices in your network as it retains full compatibility with IEEE802.11b/g and IEEE802.11a products. The ideal solution for any network administrator who needs expand the capacity of the wireless network. This is especially applicable to wireless networks in high traffic areas such as airports, coffee shops, shopping centers, sporting venues, and university campus deployments. And provides SNMP, RMON functions. This pre 802.11n 108Mbps Access Point (CQW-AP108AG) must be your best choice.



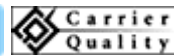
► Feature

IEEE802.3af

IEEE802.1x

Flow Control

Auto Negotiation



IEEE802.1d STP

IEEE802.1Q VLAN

Store & Forward

Browser Config

SNMP

CLI

RADIUS

WEP

WPA

QoS

■ Support Dual bands Wireless LAN

The PCI CQW-AP108AG offers transfer rates up to 54Mbps in both 2.4GHz and 5GHz bands, which provides up to five times the throughput of previous 802.11b wireless devices. Users can work faster, more efficiently or watch online video smoothly. With the support of the (802.11a) 5GHz band, user can transfer data quickly without the interference produced by other devices operating in the 2.4GHz frequency.

■ PoE(Power over Ethernet)function

This product has PoE function conforming to IEEE 802.3af, providing both data transfers and power supply through one Ethernet cable. In addition, maintenance capabilities could be improved with implementation of the product. This way, PoE dramatically improves layout flexibility of devices being installed and even eases maintenance tasks of the attached devices.

■ Reliable Security Features

It is expected that increasingly more robust security functions will be required in wireless products in the future. The CQW-AP108AG Access Point supports the following security functions for each of the five levels namely "Access Point",

“Administrator”, “User” and “Guest”:

Access Point Security:

- Built-in RADIUS authentication server and MicroCA (certificate authority)

Administrator Level Security:

- Fully supports SNMPv3
- Supports HTTPS for system configuration via Web browser
- Supports SSH for system configuration via CLI

User Level Security:

- Data encryption: WEP (64bit, 128bit), WPA * (AES, TKIP) (The WPA only support Windows XP)
- User authentication: WPA-PSK * /IEEE802.1x, EAP-TLS, EAP-TTLS, EAP-PEAP

Guest Level Security

- Password authentication
- Guest access function
- Session management

■ **Intelligent function**

The CQW-AP108AG manages wireless LAN network via either i)Its built-in “NM Portal Service” or ii)CQS-NMS108, a system management program installed to management PC. The product supports the following management functions:

- Policy management
- Registration of access points added to network
- Management of built-in RADIUS server
- Monitors system log and network, problem detection (diagnostics) tool

The functions above can be configured via a Web browser or the built-in serial console port. NM Portal Service manages a local network while CQS-NMS108 is capable of managing a large scale wireless network. These features allow you to use just one server to centrally manage all the access points installed nationwide via the Internet, making the product truly the best choice for enterprise-level wireless networks.

■ **Supports VLAN and Multiple SSIDs**

The product supports up to sixteen logically organized VLAN groups. The access point also supports Multiple SSIDs, a function that enables the assignment of a unique SSID (Service Set ID) to each VLAN, making it an ideal solution for establishing public wireless LAN hot spots, etc.

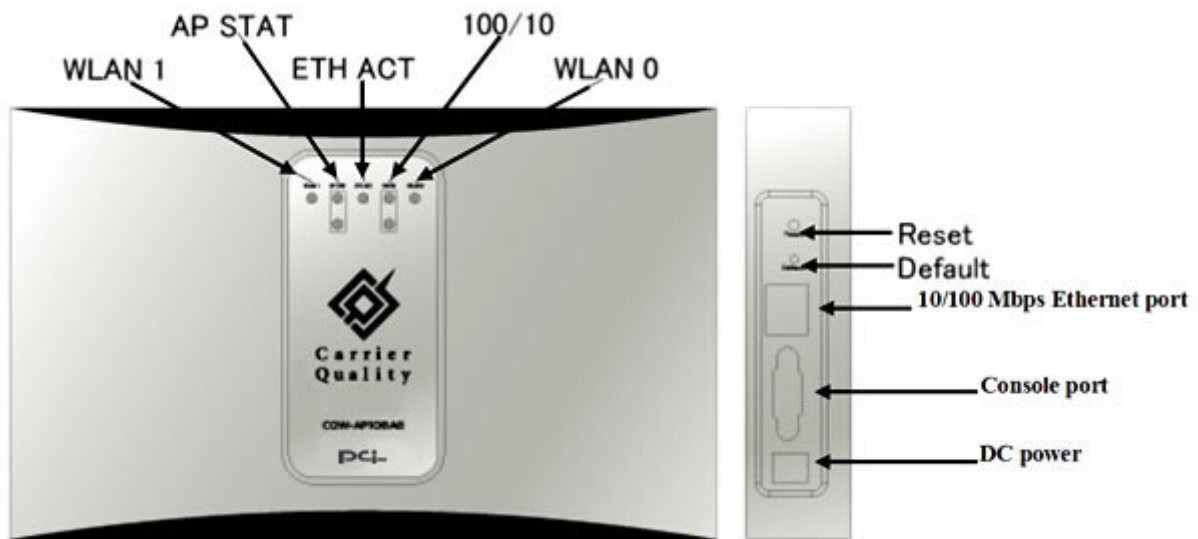
The Airgo AP supports multiple SSIDs within each individual AP. Using the multiple SSIDs feature, users can access separate networks through a single physical infrastructure. For example, if you want to create different levels of resource access for

employees and visitors, you can create two SSIDs, one with high security and one with open security.

QoS controls the quality of communication

Its built-in IEEE802.11e/IEEE802.1q compliant QoS (8-level max.) controls the quality of communication. By prioritizing traffic streams, the product reserves communication bandwidth and thus heightens the availability of network applications. Furthermore, the access point enables flexible QoS configuration as it supports a wide range of classes.

Product View



Specification

Model Number	CQW-AP108AG
» Wireless	
International Standard	Airgo True MIMO™ IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11dWorldwide Roaming IEEE 802.11h
Antenna	Antenniques FCF-003, Tri-Band Swivel Antenna w. flex Cable
Frequency Range	IEEE802.11a : 5.170GHz ~ 5.805 GHz IEEE802.11b : 2.412GHz ~ 2.472GHz IEEE802.11g : 2.412GHz ~ 2.4835GHz
Number of Channels	IEEE802.11a : 34, 38, 42, 46ch

	IEEE802.11b : 1~14ch IEEE802.11g : 1~13ch
Data Transfer Rate	802.11b: 11/5.5/2/1Mbps (DSSS) 802.11a, 802.11g: 54/48/36/24/18/12/9/6Mbps (OFDM) Airgo True MIMO™ modes: 108/96 /72Mbps
Modulation Method	802.11a, 802.11g : OFDM (BPSK, QPSK, 16QAM, 64QAM) Airgo True MIMO™ modulation 802.11b: DS-SS (BPSK, DQSK, CCK)
Output power	802.11a: 17 dBm (Max) 802.11b: 20 dBm (Typical) 802.11g: 20 dBm (Typical)
Security	802.1i 802.1x(EAP-TLS or EAP-TTLS, EAP-PEAP) WEP, WPA with TKIP or AES 64 bit WEP/128bit WEP AES-CCM Built-in RADIUS server; RADIUS server Authentication, Internal Micro CA Internal Micro CA (certificate authority) Secure license manager Interoperable with external RADIUS servers and CA
» Wired	
International Standard	IEEE802.3 :10 BASE-T IEEE802.3u :100 BASE-TX IEEE802.3x Flow control IEEE802.3af Power over Ethernet
Number of Ports	10/100M x 1 ports (RJ-45 UTP/STP) with PoE support Auto MDI/MDI-X
Supported Media	UTP/STP Cable 10Mbps :Category 3 or greater UTP/STP Cable 100Mbps :Category 5 or greater
Data Transfer Rate	10/100Mbps
» Others	
Serial Port	RS232 D89
Management	Full support for SNMP v2c, SNMP v3

	Secure Web Infrastructure – HTTPS CLI via serial port, Ethernet connection (via SSH shell)
Spanning Tree Protocol(STP)	IEEE802.1d Support
VLAN	Supports up to 16 groups
QoS	IEEE802.11e, IEEE802.1q (8-level)
PoE	48VDC from POE (Power Over Ethernet; 802/3af)
Power Consumption	12W Max
Power Supply	AC Adapter ,Input DC 5V/2A
Operating Temperature	0 ~ 60 °C
Storage Temperature	-20 ~ 85 °C
Operating Humidity	15 to 95% (Non-condensing)
Dimensions	245(H) x 150(L) x 35(W) mm
Weight	1.4kg
EMI	FCC, CE, VCCI, TELEC
LED	Wireless activity Activity indicator for each radio module (WLAN0 and WLAN1) Ethernet Ethernet Activity, 10 Base-T, 100Base-T AP Status Rebooting, active
Warranty Period	3 Year
Package Contents	CQW-AP108AG , CD-ROM Manual , AC Adapter , UTP LAN Cable (2M) , Serial Cable , QIG , Warranty Card , Safety Notice , PLANEX logo sticker , TELEC Notice sticker , Wall Mount Bracket .