

WAE200 Series

802.11g Access Point / Bridge

AirEpoch



◀ Wireless Communication for SMEs, Public Networks and Point-to-Point Bridging Applications

Wireless Access Point

The high performance and stability provides easy wireless access for mobile users in public areas. The Access Point is fully compliant with any Wi-Fi certified wireless LAN client and provides anywhere, anytime wireless connectivity for mobile users who want to share files, send emails or access the Internet.

High-Power and MSSID

The WAE200 Series is available in a variety of configurations from models with standard 50mW power all the way up to 200mW in 11g, with or without Power-over-Ethernet support. And new for 2006, a Multiple SSID capable model has been added to the WAE200 Series Access Points - in both standard and high-power!

Wireless Bridge

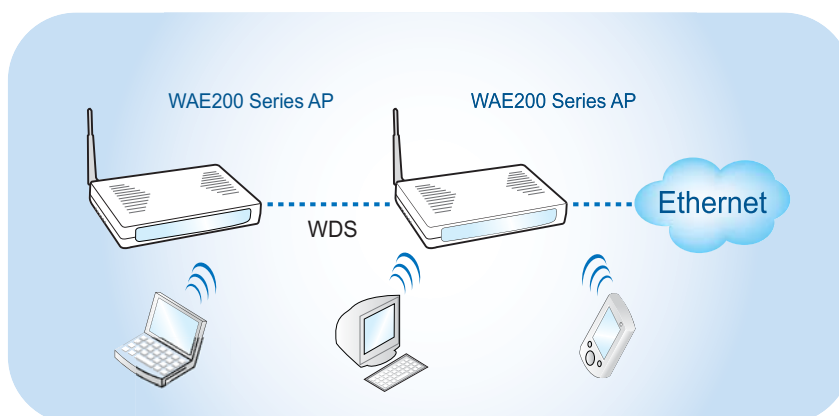
The WAE200 Series provides a highly reliable wireless point-to-point networking solution for distant locations. The standard WDS (Wireless Distribution System) technology provides up to 6 static point-to-point bringing links. The AP client technology automatically establishes dynamic bridging links with APs from any vendor. The AP client technology is very suitable for networks that needs link backup or point-to-multipoint bridging applications. For easy diagnostics, the Windows based Wireless Network Manager (WNM) utility provides the WDS link quality indicator and WDS link health monitoring features to check signal quality based on a remote point-to-point testing mechanism.

Powerful Management

Through the Web-based UI a network administrator can centrally adjust settings and monitor the AP via a Web browser or an SNMP MIB browser. The Windows-based Wireless Network Manager (WNM) utility enables you to view all AirEpoch AP units within LAN via Auto Discovery regardless of IP address settings.

Suitable for Public Wireless Access

The WAE200 Series contain features that are especially useful in public networks such as AP load-balancing, wireless client isolation, and association control. Plus, with WPA, WEP and MAC address based control wireless security settings, your network will remain protected.



About Us

AirEpoch's range of products reflects our commitment to develop innovative, wireless communication solutions that will exceed our clients requirements. We are passionate in our pursuit of ensuring that quality, reliability and leading-edge technologies are attributes successfully incorporated into each and every product.

Our efforts are focused on bringing to the Home and SME markets products that will enable the ever increasing benefits of broadband access to be realized.

We truly believe wireless communication is for everyone - whenever, wherever. Get AirEpoch and get untangled.

Specifications

Wireless

- ◆ IEEE 802.11b/g compliant
- ◆ WDS - static bridging
- ◆ AP client - dynamic bridging
 - AP browsing with signal strength
 - Preferred ESSID/BSSID selection
- ◆ Transmit power control
- ◆ Associated wireless clients status
- ◆ Data rate settings

Security

- ◆ 64/128-bits WEP
- ◆ WPA - TKIP/IEEE 802.1x
- ◆ EAP-MD5, EAP-TLS, EAP-TTLS and PEAP support
- ◆ Hidden SSID broadcasts
- ◆ MAC access control and ACL
- ◆ VPN passthrough

Public Networks

- ◆ Link integrity
- ◆ Wireless client isolation
- ◆ AP load balancing
- ◆ Association control

Networking

- ◆ DHCP client & server
- ◆ Current DHCP mapping table
- ◆ Packet filtering (Ethernet/TCP/UDP/Port)

Management

- ◆ Various tools for remote management:
 - Web-based, Windows-based and UPnP
- ◆ SNMP v1 & v2
- ◆ SNMP traps: Standard and private traps
- ◆ MIB II, IEEE 802.11 IEEE 802.1d, IEEE 802.1x, and private enterprise MIB
- ◆ System log (local and remote)
- ◆ WDS link health monitoring
- ◆ WDS link quality indicator
- ◆ Firmware upgrade via HTTP and TFTP
- ◆ Configuration backup & restore
- ◆ Hardware watchdog timer

Interface

Ethernet	IEEE 802.3u 10/100 Base TX Ethernet (Waterproof Mini Din) with Power-over-Ethernet
Antenna	One 2.4GHz rubber R-SMA detachable antenna
COM	RS-232 port

Wireless

Frequency	2.4-2.4835 GHz, Direct Sequence Spread Spectrum (DSSS)
Data Rate	OFDM@54/48/36/24/18/12/9/6Mbps, CCK@11/5.5Mbps, DQPSK@2Mbps and DBSK@1Mbps
Channel	USA: 1-11 (FCC), Canada: 1-11 (IC), Europe: 1-13 (ETSI), France: 10-13, Japan: 1-14
Transmit Power	802.11b >= 17 dBm 802.11g 6/9Mbps >=17dBm, 12/18Mbps >=15dBm, 24Mbps >=14dBm, 36Mbps >=14dBm, 48Mbps >=12dBm, 54Mbps >=12dBm
Receiver Sensitivity	802.11b 8% PER@ 1Mbps<=-91dBm, 8% PER@2Mbps<=-88dBm 8% PER@5.5Mbps<=-85dBm, 8% PER@11Mbps<=-83dBm 802.11g 10% PER@ 6Mbps<=-88dBm, 10% PER@9Mbps<=-87dBm 10% PER@12Mbps<=-84dBm, 10% PER@18Mbps<=-82dBm 10% PER@24Mbps<=-79dBm, 10% PER@36Mbps<=-75dBm 10% PER@48Mbps<=-69dBm, 10% PER@54Mbps<=-68dBm

Physical & LEDs

Dimensions	220mm (L) x 142mm (W) x 40mm (H)
LEDs	Power, LAN Link/ACT, RF Link/ACT, System alive

Environmental

	Temperature	Humidity
Operating	0° ~ 55° C	5%-95% (non-condensing)
Storage	-20° ~ 70° C	5%-95% (non-condensing)

Power Supply

Operating Voltage	DC +12V
Power over Ethernet	IEEE 802.3af compliant and Power Dsine certified (optional)

Related Products

AEX100 Single-port PoE Injector

Ordering Information

WAE200	IEEE 802.11g WLAN AP/Bridge
WAE200-E	IEEE 802.11g WLAN AP/Bridge w/PoE enabled
WAE202-E	IEEE 802.11g WLAN AP/Bridge w/PoE enabled (200mW)
WAE280-E	IEEE 802.11g Multiple-SSID WLAN AP/Bridge w/PoE enabled
WAE282-E	IEEE 802.11g Multiple-SSID WLAN AP/Bridge w/PoE enabled (200mW)

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