

For Business-Class Environments

- + Up to 108Mbps Turbo Wireless Speed in 2.4GHz Frequency Band 1
- + 5dBi High-Gain Antenna

Multiple Operation Modes

- + Access Point
- + WDS With AP
- + WDS

Advanced Security

- + 64/128/152-Bit WEP Data Encryption
- + WPA/WPA2 Personal
- + WPA/WPA2 Enterprise
- + WPA-PSK/AES Over WDS
- + MAC Address Filtering

Versatile Management

- + Web-Based Management
- + Telnet
- + MIB for SNMP Management
- + Built-In DHCP Server for Multiple User Access

AirPremier Wireless 108 G Access Point

Overview

The AirPremier DWL-2200AP is an enhanced high-performance 802.11g wireless Access Point with 802.3af Power over Ethernet (PoE) for use indoors. This device supports wireless networking speeds of up to 108Mbps (Turbo mode) ¹, while providing seamless interoperability with 802.11b/g wireless equipment. With high data transfer rates, enhanced security, built-in bridge function and PoE remote power support, this device offers a business-class solution for a secure, high-speed wireless deployment.

Up to 108Mbps Speed ¹

With transmission speeds of up to 108Mbps (Turbo mode) ¹ on the popular 2.4GHz public frequency, the DWL-2200AP is an ideal solution for bandwidth intensive WLAN application. In a typical working environment with multiple users accessing the network at the same time, the DWL-2200AP can operate at 15 times the throughput of the normal 802.11b wireless LAN equipment.

PoE Facilitates Remote Installation

For maximum coverage, the DWL-2200AP can be placed at out-of-the-way locations such as on a ceiling or high wall, where AC outlets are inaccessible and providing power to these locations is difficult and expensive. The DWL-2200AP can easily obtain power from an Ethernet switch located as far as 100 meters away through the unused pairs of your existing network cable, doing away with the need to install separate power wiring. With industry-standard 802.3af PoE support, the DWL-2200AP does not even require a PoE injector.

Advanced Network Security

The DWL-2200AP supports 64/128/152-bit WEP data encryption and WPA/WPA2 security functions. It provides the latest wireless security technologies by supporting both WPA and WPA2 Personal and Enterprise to ensure complete network protection. In addition, the DWL-2200AP comes 802.11i-ready to fully support industrial-grade wireless security. Other security features included in this Access Point are MAC Address Filtering, Disable SSID Broadcast and support for Advanced Encryption Standard (AES) data encryption.

WDS (Wireless Distribution System) Support

To maximize total return on investment, the DWL-2200AP can be configured to operate as an access point (AP mode), a point-to-point bridge or a point-to-multipoint bridge (WDS mode). In the WDS/Bridge mode, the DWL-2200AP communicates only with wireless bridges, without allowing for wireless clients or stations to access them.

Advanced Network Management

For maximum Network administrators can manage all the DWL-2200AP's settings via its web-based configuration utility or with Telnet. For advanced network management, the administrators can use the D-View SNMP management module to configure and manage multiple access points from a single location. In addition to a streamlined management process, network administrators can also verify and conduct regular maintenance checks without wasting resources by sending personnel out to physically verify proper operation.





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Technical Specifications

Standards	<ul style="list-style-type: none"> + IEEE 802.11b/g WLAN + IEEE 802.3x Flow Control 	<ul style="list-style-type: none"> + IEEE 802.3/802.3u Ethernet + IEEE 802.3af Power over Ethernet
Ethernet Interface	10/100BASE-TX Ethernet port	
Radio and Modulation Type	For 802.11b: DSSS: + DBPSK @ 1Mbps + CCK @ 5.5 and 11Mbps For 802.11g: OFDM: + BPSK @ 6 and 9Mbps + 16QAM @ 24 and 36Mbps DSSS: + DBPSK @ 1Mbps + CCK @ 5.5 and 11Mbps	
RF Operating Frequency	2400 to 2483.5MHz	
Channel Numbers	<ul style="list-style-type: none"> + 11 Channels (FCC) + 13 Channels (ETSI) 	
Data Rates	<ul style="list-style-type: none"> + 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps + 802.11b: 11, 5.5, 2, and 1Mbps 	
Transmit Output Power ²	For 802.11b: + 11Mbps, 5.5Mbps, 2Mbps, 1Mbps: 18dBm For 802.11g: + 54Mbps, 108Mbps: 14 to 15dBm + 48Mbps: 14 to 16dBm + 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps: 16 to 18dBm	
EIRP	19dBm	
Receive Sensitivity (802.11b)	For 802.11b (@ 8% packet error rate): + 11 Mbps: -83dBm + 2 Mbps: -89dBm For 802.11g (@ 10% packet error rate): + 54 Mbps: -66dBm + 48 Mbps: -71dBm + 36 Mbps: -76dBm + 24 Mbps: -80dBm + 18 Mbps: -83dBm + 12 Mbps: -85dBm + 9 Mbps: -86dBm + 6 Mbps: -87dBm	
Antenna	5dBi Gain detachable Reverse-SMA Type dipole antenna	
Wireless Operating Range ³	(Full power with 5dBi Gain diversity dipole antenna): +Indoors: Up to 100 m (328 feet) +Outdoors: Up to 400 m (1,312 feet)	
Security	<ul style="list-style-type: none"> + 64/128/152-bit WEP data encryption + WPA-PSK, WPA2-PSK + WPA-EAP, WPA2-EAP + TKIP, AES support + MAC address filtering user access + SSID broadcast disable function 	



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Configurable Modes	+ Access Point + WDS with AP + WDS
Device Management	+ Web Browser Interface: HTTP Secure HTTP (HTTPS) + Windows-based AP management program + SNMP v3 support: D-View module Private MIB + Command Line Interface: Telnet Secure (SSH) Telnet + Factory reset button
Diagnostic LEDs	+ Power LED + LAN (10/100Mbps) + WLAN
Power Input	48VDC +/- 10% 0.4A for PoE
Power Consumption	+ 7 watts (max.) without PoE + 8.5 watts (max.) with PoE
Dimensions	142 (L) x 109 (W) x 31 (H) mm (5.59 x 4.30 x 1.22 inches)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 65°C (-4°F to 149°F)
Operating Humidity	95% maximum (non-condensing)
Regulation Certification	+ FCC Class B + CE + UL + Wi-Fi + WMM

¹ Maximum wireless signal rate derived from IEEE standard 802.11g. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate. Up to 108Mbps when operating with other wireless 108 G products.
² Maximum power setting will vary according to individual country regulations.
³ Environmental factors may adversely affect operation range.



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