



EW-7301APg

802.11 b/g High Power Wireless Access Point with Build-in 9 dBi antenna

Description:

The EW-7301APG is an IEEE802.11 b/g outdoor (industrial grade) high-performance, wireless AP/ Bridge/ WDS Repeater that supports high-speed wireless networking in open public space. The EW-7301APG can operate as a Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Repeater and can be configure with different operation methodology in one device.

It supports up to 4 virtual access points (VAP) per radio, with unique BSSIDs. Traffics from each VAP can be tagged to a unique VLAN and /or bridged if required. Each VAP will be able to configure its own security.

The EW-7301APG provides data transfers at up to 54 Mbps (compared to the standard 11 Mbps mode). The IEEE 802.11g standard is backwards compatible with 802.11b products. You may choose to slowly change your network by gradually replacing the 802.11b devices with 802.11 b/g devices.

Key feature:

- Atheros SOC solution
- IEEE 802.11 b/g
- Supports 802.3af Power over Ethernet
- Provides High Speed Data Rate Up to 54Mbps
- Supports high RF Output Power up to $26\text{Bm} \pm 2$
- Provides Point-to-point, Point-to-multipoint Wireless Connectivity
- Supports data encryption: WEP/WPA/WPA2/ IEEE 802.1x Authenticator
- WDS (Wireless Distribution System)
- Dust tight and Watertight and Weatherproof (up to IP65)
- Wide temperature range and robust mechanical design
- Web-based management interface

FEATURES AND TECHNICAL SPECIFICATIONS

General	Management
<ul style="list-style-type: none"> IEEE 802.11b/g, IEEE 802.1x, IEEE 802.3, IEEE 802.3u Active Ethernet (Power over Ethernet) – 12VDC/External Unit: Auto sensing 100/240 VAC; 50/60Hz Waterproof and Dust-tight (IP 65) 	<ul style="list-style-type: none"> Web-based configuration (HTTP) Telnet configuration
Networking Information	RF Information
<ul style="list-style-type: none"> Point-to-Point/Point-to-Multi points/AP/WDS One 10/100 Mbps RJ-45 (Auto Switch) Security: <ul style="list-style-type: none"> IEEE802.1x / RADIUS Client (EAP-MD5/TLS/TTLS, PEAP) Support in AP Mode IEEE802.1x Supplicant (EAP-MD5/TLS/TTLS, PEAP) support in Client Bridge Mode WPA* -- Wi-Fi Protected Access PSK (Pre share key) with 64/ 128-bit WEP Key EAP-MD5/TLS/ TTLS authenticator support TKIP MAC address filtering Layer2 Isolation VLAN tunneling Support Hide SSID in beacons DHCP client/server 	<ul style="list-style-type: none"> 2.4~2.484GHz Carrier sense multiple access with collision avoidance (CSMA/CA) 802.11 b: <ul style="list-style-type: none"> Direct-Sequence Spread Spectrum (DSSS) DBPSK @ 1Mbps DQPSK @ 2Mbps CCK @ 5.5 and 11Mbps 802.11 g: <ul style="list-style-type: none"> Orthogonal Frequency Division Multiplexing (OFDM) BPSK @ 6 and 9 Mbps QPSK @ 12 and 18 Mbps 16-QAM @ 24 and 36 Mbps 64-QAM @ 48 and 54 Mbps Sensitivity: <ul style="list-style-type: none"> IEEE802.11g <ul style="list-style-type: none"> -94dBm ± 1 (6Mbps) -74dBm ± 1 (54Mbps) IEEE802.11b <ul style="list-style-type: none"> -97dBm ± 1 (1, Mbps) -92dBm ± 1 (11Mbps) Transmit Output Power (Typical): <ul style="list-style-type: none"> IEEE802.11g: 26dBm ± 2 IEEE802.11b: 26dBm ± 2 Antenna: <ul style="list-style-type: none"> Switchable 9dBi internal panel antenna with SMA external connector
Environmental	Regulation Certifications
<ul style="list-style-type: none"> Operating temperature: -10°C to 60°C Storage temperature: -40°C to 85°C 	<ul style="list-style-type: none"> FCC/CE

