

Key features



- Up to 300Mbps (2.4GHz) + 300Mbps (5GHz) wireless data transmission rate
- SNMP v1/ v2c/v3, MIB I/II supported
- WEP/WPA/WPA2 wireless encryption
- Band steering, client limit and fast handover supported

The EWS310AP is equipped with two powerful independent RF interfaces that support 2.4GHz 802.11b/g/n (2T2R) and 5GHz 802.11a/n (2T2R), offering bandwidth up to 300Mbps + 300Mbps to accommodate traffic intensive applications such as multimedia streaming.

Each radio of EWS310AP has been enhanced to provide higher signal strength and sensitivity; this will assist to reduce dead spots in your deployed WLAN and boost received signal quality on both ends of AP and wireless client devices.

The EWS-series managed AP is designed to work with the EWS-series wireless management switch as part of EnGenius' integrated WLAN management solution. It provides intuitive web based configuration, management, and advanced wireless features such as fast handover, fast roaming, and band steering. The AP is self discovered by EWS management switch on your WLAN without extra efforts; once added into managed device list, WLAN administrator can easily use individual or cluster settings to fast deploy numbers of AP with desired settings, saving repetitive configuration tasks. Other than intuitive device management, this integrated solution provides map view UI on EWS switch for AP placement visualization with builtin troubleshooting tools to perform diagnosis upon error occurred.

Radio specification

Operation frequency

2.4GHz: 802.11b/g/n with max data rate up to 300Mbps

5GHz: 802.11a/n with max data rate up to 300Mbps

Transmit Power (combined):

2.4GHz: max 29dBm

5GHz: max 26dBm

Maximum transmit power is limited by regulatory power

Radio chains/Spatial streams

2 * 2/2

Support radio technology

802.11b: direct-sequence spread-spectrum(DSSS)

802.11 g/n: orthogonal frequency-division multiplexing(OFDM)

Channelization

802.11n with 20/40MHz channel width

802.11 b/g with 20MHz channel width

Support modulation

802.11b: BPSK, QPSK, CCK

802.11 b/g: BPSK, QPSK, 16-QAM, 64-QAM

Support data rates (Mbps)

802.11b: 1,2,5.5,11

802.11g: 6,9,12,18,24,36,48,54

802.11n: 6.5 to 300 (MCS0 to MCS15)

Physical characteristics

DC Input: 12VDC/2A

PoE: compatible with 802.3af/at

Internal high gain antennas

2* 5dBi 2.4GHz antennas

2* 5dBi 5GHz antennas

Interface

1*10/100/1000 BASE-T Ethernet (RJ45) with

802.3af/at PoE

1* DC power connector

1* reset button

Dimensions

161.5 x 41.5 mm (Diameter x Height)

Environment

Operating temperature: 0°C~40°C

Operating humidity: 0%~90% typical

Storage temperature: -20°C~60°C

Mounting

Ceiling mount or wall mount

Physical security

Kensington security slot

Wireless

Operating mode

AP/Mesh AP (configured by EWS Switch)

Auto Channel selection

Setting carries by regulatory domains SSID

Supports up to 8 SSIDs

VLAN tag/VLAN Pass-through

Wireless client list

Guest network

QoS

Supports 802.11e/WMM

Band Steering

Mobility

PMKSA support for fast roaming

Security

WEP encryption: 64/128/152-Bit

WPA/WPA2 enterprise/PSK

Hidden SSID

MAC address filtering (up to 50 MAC)

Client isolation

Mesh*

Auto Configuration by EWS management switch

Secure mesh link with WPA2 encryption

Self-forming mesh connection within clustered managed APs on EWS switch

Wireless service coverage extension beyond

Ethernet cabling

Management

Deployment options

Standalone (individually managed)

Managed by EWS switch

Configuration

Web interface (HTTP)

SNMP v1/v2c/v3 with MIB I/II and private MIB

CLI(Telnet)

Firmware upgrade

Web interface or CLI (FTP/HTTP)

Back up/Restore settings

Revert to factory default settings

Auto reboot

Specifies interval to reboot system periodically

Email alert/Syslog Notification