



## Dual Band Long Range Ceiling Mount Access Point

The EnGenius EAP900H is a Dual Band Wireless N900 Indoor Access Point that features high transmit RF power of up to 28 dBm on both the 2.4 and 5 GHz frequency bands delivering connectivity to wireless laptops, tablets, smartphones and other devices within 3 floors of a typical office building, hotel or other multi-floor structure. With wireless speeds up to 450 Mbps on each radio and a Gigabit port for connecting to a switch or router, the EAP900H is ideal for expanding a network with additional bandwidth to support newer dual-band enabled devices.

### Data Protection that never stops

The EAP900H has been designed to appear as a low-profile smoke detector and thus unobtrusively blend in with other common building infrastructure appliances. Because the EAP900H is designed for deployments on ceilings where power outlets may be scarce, it is also PoE (Power-over-Ethernet) IEEE 802.3at for use with an 802.3at-capable PoE injector or 802.3at-capable PoE switch. The EAP900H draws up to 25 watts of power.

This dual band Wireless N900 Access Point enables companies to connect to more employees, guests, staff or students who transfer large files within the network or use other bandwidth intensive applications like streaming HD video. The AP's Gigabit Ethernet port also offers greater bandwidth capacity and faster data transfers through the network. Its enhanced receive sensitivity and six internal MIMO (Multiple In/Multiple Out) antennas, extend wireless coverage and enhance connectivity to client devices even in areas where connections have been previously challenging or non-existent.

### Key Features

- + Up to 28 dBm transmit power enabling long range connectivity
- + Supports IEEE 802.11 a/b/g/n wireless standards with up to 450 Mbps data rate on each band
- + Six internal 5 dBi omni-directional MIMO antennas
- + Can be monitored after deployment with EnGenius EZ Controller™ software for Windows (Free online download)
- + Can be used with included power adapter or via PoE with PoE 802.3at - capable switches or injectors
- + Dual Band/Three Stream
- + SSID-to-VLAN Tagging
- + Band Steering shifts dual band clients to 5 GHz for better overall throughput performance on both bands
- + Guest Network option for more secure connectivity

## Standards

IEEE 802.11a on 5 GHz  
IEEE802.11b/g/n on 2.4 GHz  
IEEE802.3at

## Antenna

Six (6) Internal 5 dBi Omni-directional Antennas

## Physical Interface

1 x 10/100/1000 Gigabit Ethernet Port  
1 x Reset Button  
1 x Power Connector

## LED Indicator

Power  
WPS  
WLAN (Wireless Connection)  
LAN

## Power Requirements

Active Ethernet (Power-over-Ethernet)  
Proprietary PoE Design  
Power Adapter (United States)

## Wireless Functional List

*Operation Modes*  
Access Point / WDS

### *WDS Detail*

WDS AP  
WDS Bridge

### *Security*

WEP (64/128bit)  
WPA/WPA2 (TKIP/AES)  
Hidden SSID  
MAC address filtering, up to 50 field  
L2 Isolation  
802.1x Authenticator (MD5/TLS/TTLS/PEAP)  
Guest Network

## QoS (Quality of Service)

WMM (Wireless Multimedia)

## Environmental & Mechanical

### *Temperature Range*

Operating: 32 to 122°F / 0 to 50°C  
Storage: -4 to 140°F / -20 to 60 ° C

### *Humidity (non-condensing)*

Operating: 90% or less  
Storage: 90% or less

## Weights & Measures

Diameter: 6.36"  
Height: 1.64"

## Packaging

Width: 2.8"  
Length: 12.2"  
Height: 9.2"

## Packaging Contents

EAP900H Access Point  
Power Adapter  
RJ-45 Ethernet Cable  
Quick Installation Guide  
Wall Mount Screw kit