

Type of the product

ECW115AP

Introduction to ECW115AP

The EnGenius ECW115 is a dual-band cloud managed wall-plate access point that can be powered by PoE+ and has two additional gigabit Ethernet ports that will provide wireless and wired connectivity for IT professionals who are interested in using a simple and scalable solution that simplifies network configuration and monitoring.

The wall plate ECW115 is part of the EnGenius Cloud series and is distinguished by the license-free EnGenius Cloud Management Portal, which allows you to easily create and manage multi-tenant networks including real-time system metrics, deep-dive analytics, network troubleshooting and advanced view to display network topology with the devices and relationships as well as an advanced Captive Portal with editing capabilities.

Short Description

The AP fulfills the Wi-Fi connectivity demands of smart homes, small and midsize organizations. The ECW115 is a cloud managed access point; it can easily be configured by yourself or can remotely be configured by someone else (your company MIS) The ECW115 can be mounted in multiple ways:

- Wall plate mount (cabling in the wall and connect to the back of the AP)
- Wall mount
- Ceiling mount
- Just put on desk
- Multiple ways of powering
 - a. PoE (back and bottom) from PoE switch
 - b. DC12V input (optional adapter)
 - c. DC48V input
- Extra LAN ports: Ideal for your VoIP phone or printer
- PoE out (for your VoIP phone) when connected to .at PoE or DC48V adapter
- Mesh functionality: you can have the first AP connected wired to your router and additional device connected by wireless
- RJ-45 connector with PoE-in on back and bottom

Product Highlights

- · Cloud Managed Access Point with optional Mesh mode.
- 802.11ac Wave 2 (Wi-Fi 5) technology with MU-MIMO and Beamforming technology.
- Qualcomm® Quad-Core CPU chipset.
- Throughput speed of 400 Mbps on the 2.4 GHz band and 867 Mbps on the 5 GHz band.
- Specifically designed for wall-plate mounting but is also versatile in its uses including ceiling mount, wall mounting and desktop placement.
- Gigabit Ethernet PoE-in port and 12/48V DC Input for flexible power options.
- LAN1 & LAN2 support 802.3af/at PoE-in.
- Connect & Power VoIP Phones or other PoE devices with PoE out.
- Cloud managed an unlimited number of AP's from anywhere with no license fee.

Main Specs

Model	ECW115	
Wi-Fi Standard	802.11a/b/g/n/ac	
Frequency	2.4 GHz & 5 GHz	
Max. Data Rate on 2.4 GHz	400 Mbps	
Max. Data Rate on 5 GHz	867 Mbps	
Radio Chains/ Spatial Streams	2 × 2:2	
RF Output Power (2.4 GHz)	Up to 17 dBm on 2.4 GHz	
RF Output Power (5 GHz)	Up to 17 dBm on 5 GHz	
Power-over-Ethernet	802.3af/at	
Ethernet Ports	3 x 10/100/1000 Ethernet Ports	
Power Consumption (Peak)	11.9W	
Integrated Antenna	2 x 3 dBi (2.4 GHz) 2 x 3 dBi (5 GHz)	

Multiple ways of mounting:



Wall plate mount



Ceiling mount



Wall mount



Desktop











Tall bracket

Diagram

Deployment tips

- 1. For recessed wall-plate mounting, you can use the short bracket to let the connector recess in the wall to save space and more sleek mounting.
- 2. With the tall bracket you can make the backside flush so you can let the AP lay flat on the back or mount it flat on the wall while you use the bottom connectors.





Optional power supply can make the setup complete; especially when you want to use the AP in Mesh or without PoE switch: Use a 48VDC adapter when you need PoE out. If you do not need that; you can use a 12VDC adapter

Basic setup

In a basic setup you need an ECW115 to be connected to your home router with a LAN cable and a 12VDC adapter. You can use the bottom connectors and put the AP on your desk or hang on the wall.



Advanced Setup

Connect the Access Points to a PoE switch. Depending on the mounting way, you can use the back connector or bottom connector. When your switch is PoE+ (at), you can use the PoE out of the device as power source for your VoIP phone.



Mesh Setup

Connect the first AP (root) wired to your router and have a second or more AP connected by Mesh to the root AP. Use optional 12VDC adapter to power-up the AP.



Why should you buy it?

The ECW115 is the AP with the best feature / price ratio. Very affordable, but still packed with many features. It can fit in many deployments: Big chance it also fits yours! The AP fulfills the Wi-Fi connectivity demands of smart homes, small and midsize organizations. One of the key factors is its versatility the ECW115 can be used in any scenario: ease of use. The ECW115 can be the ideal AP for your work-from-home setup!

Comparison Chart

ECW120	ECW220	© ECW230	ECW115
Ceiling Mount Indoor			Wall-Plate
Dual Band 11ac W2	Dual Band 11ax		Dual Band 11ac W2
2 x 2 : 2	2 x 2 : 2	4 x 4 : 4	2 x 2 : 2
400 + 867 Mbps	575 + 1200 Mbps	1150 + 2400 Mbps	400 + 867 Mbps
1x GbE Uplink	1 x GbE Uplink	1x 2.5GbE Uplink	1x GbE Uplink (PoE-in) 2xGbE downlink (1x PoE-out)
802.3af PoE	802.3af PoE	802.3at PoE	802.3at-in / 802.af-out
Mass Production	Mass Production	Mass Production	Mass Production