EnGenius Cloud Managed ECW130 Wi-Fi 5 (11ac wave 2) 4x4 Indoor Access Point

Dual-Band Wireless Access Point

The EnGenius Cloud Managed ECW130 indoor Wi-Fi 5, 4x4, MU-MIMO access point reaches speeds up-to 1,733Mbps on 5GHz and 800Mbps on 2.4GHz band providing business-class Wi-Fi. IT teams can use a single pane of glass to remotely manage, monitor, and troubleshoot this business-class AP to increase uptime, improve client performance, and minimize daily maintenance task.

Features & Benefits

- Fast and reliable AP utilizing 4 spatial streams and MU-MIMO for any professional office
- Supports up to 1,733 Mbps in 5-GHz band & 800 Mbps in 2.4-GHz band
- 802.11ac wave 2 compatible with ax/ac/a/b/g/n client devices
- Four (4) 6 dBi 5 GHz and four (4) 4 dBi 2.4 GHz, for 360 degree Wi-Fi coverage
- 1 GigE PoE+ compatible port for easy AP placement
- 1 GigE port for link aggregation to maximize wired speed
- High-powered radios to increase meshing distances on either 2.4 GHz or 5 GHz
- Cloud-manage unlimited number of APs from anywhere with the EnGenius Cloud app
- Real-time AP diagnostics, deep-dive analytics, and remote configurations
- No access point licensing or subscription fees needed

Technical Specifications

ECW130	
Standards	
IEEE 802.11b/g/n on 2.4GHz	
IEEE802.11a/n/ac on 5GHz	
Processor	
Qualcomm® Dual-Core Krait CPU ARM7 @ 1.4GHz	

Antenna	
Four (4) Internal 6 dBi 5 GHz Omni-Directional Antennas	
Four (4) Internal 4 dBi 2.4 GHz Omni-Directional Antennas	
Physical Interface	
1 x 10/100/1000 BASE-T, RJ-45 Ethernet Port (PoE+)	
1 x 10/100/1000 BASE-T, RJ-45 Ethernet Port	

(Link aggregation achieves up-to 2 Gbps throughput)	**Supported Data Rates (Mbps):**
- LAN1: Supports 802.3at PoE Input	802.11b: 1, 2, 5.5, 11
- LAN2: Data Pass-Through	802.11a/g: 6, 9, 12, 18, 36, 48, 54
1 x Reset Button	802.11n: 6.5 to 800 Mbps (MCS0 to MCS15) (Additional 25% bandwidth when enabling 256-QAM under HT40)
1 x Power Connector	802.11ac: 6.5 to 1733 Mbps (MCS0 to MCS9, NSS = 1 to 2)
LED Indicators	**Supported Radio Technologies**
1 x Power	802.11b: Direct-sequence spread-spectrum (DSSS)
1 x LAN	802.11ac/a/g/n: Orthogonal Frequency Division Multiple (OFDM)
1 x LAN 2	
1 x 2.4 GHz	**Channelization**
1 x 5 GHz	802.11ac supports very high throughput (VHT) —VHT 20/40/80 MHz
Power Source	
Power-over-Ethernet: 802.3at	802.11n supports high throughput (HT) —HT 20/40 MHz
IEEE 802.11e Compliant Source	802.11n supports very high throughput under the 2.4GHz radio —VHT40 MHz (256-QAM)
12VDC /2A Power Adapter (Not Included)	
Maximum Power Consumption	**Supported Modulation**
19.1W	802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
WIRELESS & RADIO SPECIFICATIONS	802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM
Operating Frequency	802.11b: BPSK, QPSK, CCK
Dual-Radio Concurrent 2.4GHz & 5 GHz	**MANAGEMENT**
Operation Modes	**Multiple BSSID**
AP, Mesh, AP Mesh	8 SSIDs for both 2.4GHz and 5GHz radios
Frequency Radio	**VLAN Tagging**
2.4GHz: 2400 MHz ~ 2482 MHz	Supports 802.1q SSID-to-VLAN Tagging
5GHz: 5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725MHz ~ 5850MHz	Cross-band VLAN Pass Through
	Management VLAN
Transmit Power	**Spanning Tree**
2.4GHz: 25 dBm	Supports 802.1d Spanning Tree Protocol
5GHz: 24 dBm	**QoS (Quality of Service)**
Maximum power is limited by regulatory domain	Complaint With IEEE 802.11e Standard WMM
Tx Beamforming (TxBF)	**SNMP**
Increasing signal reliability and transmitting distance.	v1, v2c, v3
Radio Chains/Spatial Stream	**MIB**
4x4:4	I/II, Private MIB
SU-MIMO	**Wireless Security**
Four (4) spatial stream Single User (SU) MIMO for up to 800 Mbps wireless data rate with VHT40 bandwidth to a 4×4 wireless device under the 2.4GHz radio.	WPA3-PSK (SAE)
	WPA3 Enterprise
	WPA2 Enterprise (AES)
Four (4) spatial stream Single User (SU) MIMO for up to 1733 Mbps wireless data rate with VHT80 to a 4×4 wireless device under the 5GHz radio.	WPA2 AES-PSK
	OWE
MU-MIMO	Hide SSID in Beacons
Four (4) spatial stream MU-MIMO for up to 1733 Mbps wireless data rate with VHT80 to a 4×4 wireless device under the 5GHz radio simultaneously.	MAC Address Filtering, up to 32 MACs per SSID
	Wireless STA (Client) Connected List

SSH Tunnel	
Client Isolation	

ENVIRONMENT & PHYSICAL

Temperature Range

Operating: 32°F to 122°F (0°C to 50°C)

Storage: -22F°~176°F (-30°C~80°C)

Humidity (non-condensing)

Operating: 90% or less

Storage: 90% or less

DIMENSIONS & WEIGHTS

ECW130 Device

Weight: 1.39 lbs (630g)

Width: 8.46" (21.5cm)

Length: 8.46" (21.5cm)

Height: 2.20" (5.6cm)

Packaging

Weight: 2.25 lbs (1.02kg)

Width: 9.96" (253mm)

Length: 9.80" (249mm)

Height: 4.21" (107mm)

Master Carton

Weight: 25.13 lbs (11.4 kg)

Width: 20.51" (52.1 cm)

Length: 22.05" (56 cm)

Height: 11.61" (29.5 cm)

No. of boxes per carton

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Package Contents

1 – ECW130 Cloud Managed Indoor Access Point

1 - Ceiling-Mount Brackets (9/16" T-Rail)

1 - Ceiling-Mount Brackets (15/16" T-Rail)

1 – Ceiling and Wall Mount Screw Set

1 - Quick Installation Guide

Certifications

FCC, CE, IC

Warranty

2 Year

Product Images

LED Indicators

DC IN

LAN1 (PoE In)

LAN2 Reset

Kensington Lock

DC IN

LAN1 (PoE In)

LAN2 Reset

Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range may vary depending on distance between devices or traffic and bandwidth load in the network.