



## Cloud5 4x4

# Cloud Managed Wi-Fi 5 4x4 Indoor Access Point

### Overview

EnGenius Cloud Managed Wi-Fi 5 4x4 Indoor Access Point delivers supercharged speeds up to 1800 Mbps (5 GHz) & 800 Mbps (2.4 GHz), Wave 2 MU-MIMO, accommodating more clients, and improved connections. Featuring remote management, Gigabit Ethernet PoE port, quick-scan device registration, and EnGenius Cloud App for unlimited AP management. Mesh Wireless Support streamlines setup and optimizes signal quality.



### Features & Benefits

- Supercharged speeds up to 1800 Mbps (5 GHz) & up to 800 Mbps (2.4 GHz)
- Wave 2 MU-MIMO to meet Wi-Fi business demands
- Allows more wireless clients & better connections
- Remote managing & monitoring
- Gigabit Ethernet PoE port for flexible power options
- Quick-scan device register & configuration and remote monitoring & troubleshooting
- Cloud manage an unlimited number of APs from anywhere with the EnGenius Cloud App
- Mesh Wireless Support simplifies setup, optimizes signals & self-heals

# Technical Specifications

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### Standards

IEEE 802.11b/g/n on 2.4 GHz

IEEE 802.11a/n/ac on 5 GHz

### Antenna

4 x 2.4 GHz: 4 dBi(Integrated Omni-Directional)

4 x 5 GHz: 6 dBi(Integrated Omni-Directional)

### Physical Interfaces

1 x GE Port (PoE+)

1 x GE Port

1 x DC Jack

1 x Reset Button

### LED indicators

1 x Power

1 x LAN1

1 x LAN2

1 x 2.4 GHz

1 x 5 GHz

### Power Source

Power-over-Ethernet: 802.3at Input

12VDC /2A Power Adapter

### Maximum Power Consumption

19.1W

## Wireless & Radio Specifications

### Operating Frequency

Dual-Radio Concurrent 2.4 GHz & 5 GHz

### Operation Modes

Managed mode: AP, AP Mesh, Mesh

### Frequency Radio

2.4 GHz: 2400 MHz ~ 2482 MHz

5 GHz: 5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725 MHz ~ 5850 MHz

### Transmit Power

Up to 25 dBm on 2.4 GHz

Up to 24 dBm on 5 GHz

(Maximum power is limited by regulatory domain)

### Radio Chains

4 x 4:4

### SU-MIMO

Four(4) spatial stream Single User (SU) MIMO for up to 800 Mbps wireless data rate with VHT40 bandwidth to a 4x4 wireless device under the 2.4GHz radio.

Four(4) spatial stream Single User (SU) MIMO for up to 1800 Mbps wireless data rate with VHT80 to a 4x4 wireless device under the 5GHz radio.

### MU-MIMO

Four(4) spatial stream MU-MIMO for up to 800 Mbps wireless data rate with VHT40 bandwidth to a 4x4 wireless device under the 2.4GHz radio.

Four(4) spatial stream MU-MIMO for up to 1800 Mbps wireless data rate with VHT80 to a 4x4 wireless device under the 5GHz radio simultaneously.

### Supported Data Rates

2.4 GHz: Max 400 (MCS0 to MCS11, NSS = 1 to 2)

5 GHz: Max 867 (MCS0 to MCS11, NSS = 1 to 2)

802.11b: 1, 2, 5.5, 11

802.11a/g: 6, 9, 12, 18, 36, 48, 54

802.11n: 6.5 to 300 Mbps (MCS0 to MCS15) (Additional 25% bandwidth when enabling 256-QAM under HT40)

802.11ac: 6.5 to 867 Mbps (MCS0 to MCS9, NSS = 1 to 2)

### Supported Radio Technology

802.11a/g/n/ac: Orthogonal Frequency-Division Multiplexing (OFDM)

802.11b: Direct-Sequence Spread Spectrum (DSSS)

802.11n/ac: 4x4 MIMO with 4 Streams

### Channelization

802.11ac Supports Very High Throughput (VHT)—VHT 20/40/80 MHz

802.11n Supports High Throughput (HT)—HT 20/40 MHz

802.11n Supports High Throughput (HT) Under the 2.4 GHz Radio—HT 40 MHz

802.11n/ac Packet Aggregation: A-MPDU, A-SPDU

### Supported Modulation

802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM

802.11b: BPSK, QPSK, CCK

### Max Concurrent User

128 per radio

## Management Features

### Multiple BSSID

8 SSIDs on both 2.4GHz and 5GHz bands

### VLAN Tagging

Supports 802.1q SSID-to-VLAN Tagging

Cross-Band VLAN Pass-Through

Management VLAN

### Spanning Tree

Supports 802.1d Spanning Tree Protocol

### QoS (Quality of Service)

Compliant With IEEE 802.11e Standard

WMM

### SNMP

v1, v2c, v3

### MIB

I/II, Private MIB

### Fast Roaming

802.11r/k

### Wireless Security

WPA2-PSK

WPA2-Enterprise

WPA3-PSK

WPA3-Enterprise

Hide SSID in Beacons

Wireless STA (Client) Connected List

Client Isolation

# Technical Specifications

## Environmental & Physical

### Temperature Range

Operating: 32°F~104°F (0 °C~40 °C)

Storage: -40 °F~176 °F (-40 °C~80 °C)

### Humidity (non-condensing)

Operating: 90% or less

Storage: 90% or less

## Dimensions & Weight

### Weight

634 g

### Dimensions

215 x 215 x 56 mm

### Package Contents

1 – ECW130 Cloud Managed Indoor Access Point

1 – Ceiling Mount Base (9/16" Trail)

1 – Ceiling Mount Base (15/16" Trail)

1 – Ceiling and Wall Mount Screw Kit

1 – Quick Installation Guide

## Compliance

### Regulatory Compliance

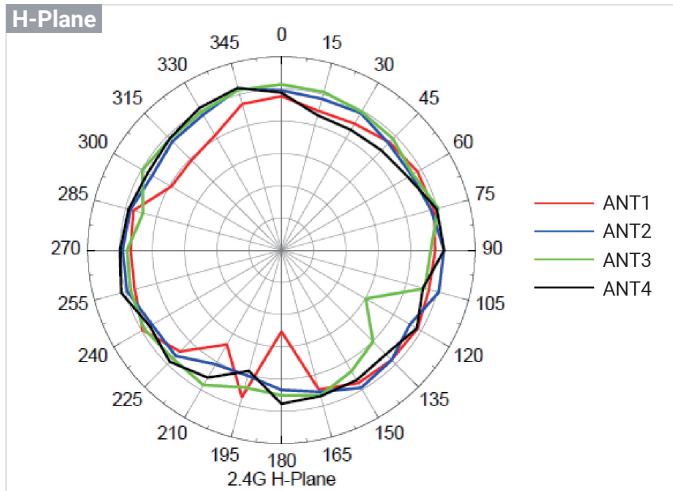
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CE

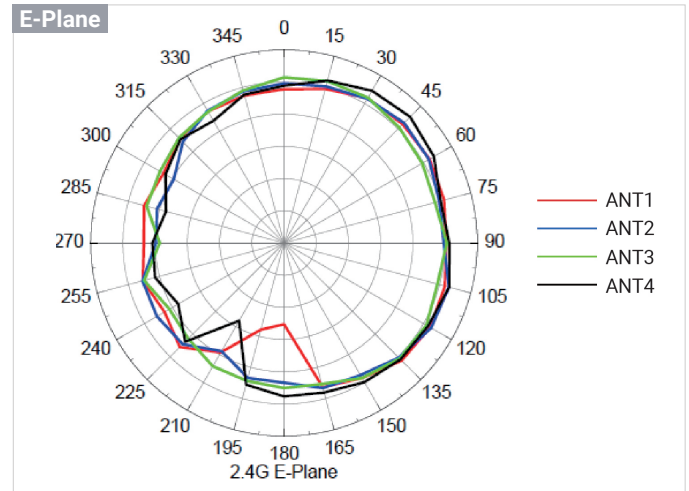
IC

# Antennas Patterns

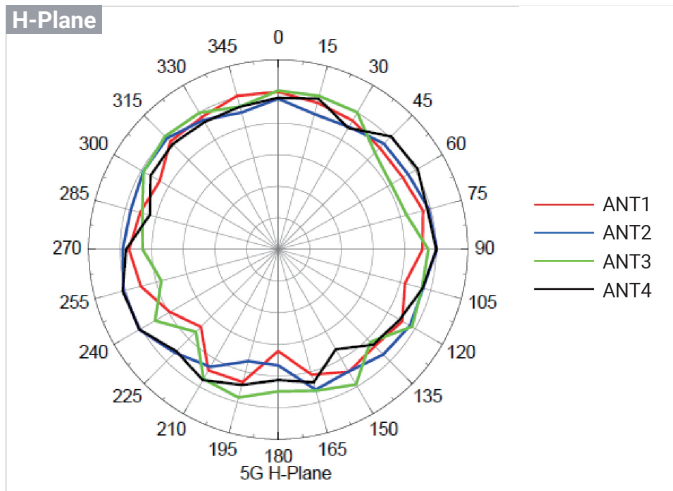
2.4GHz



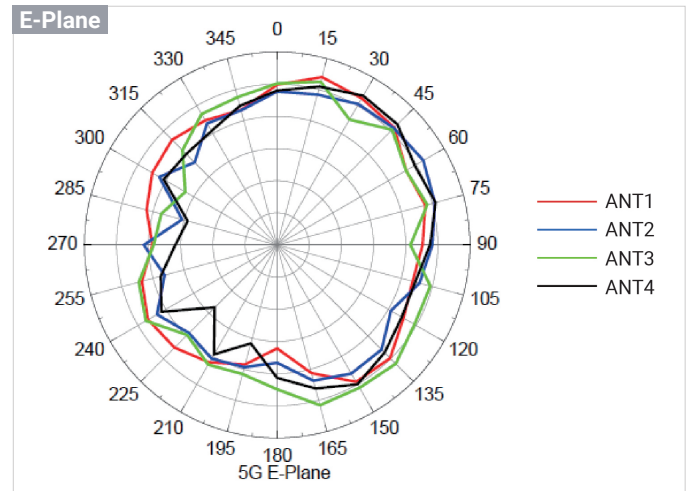
2.4GHz



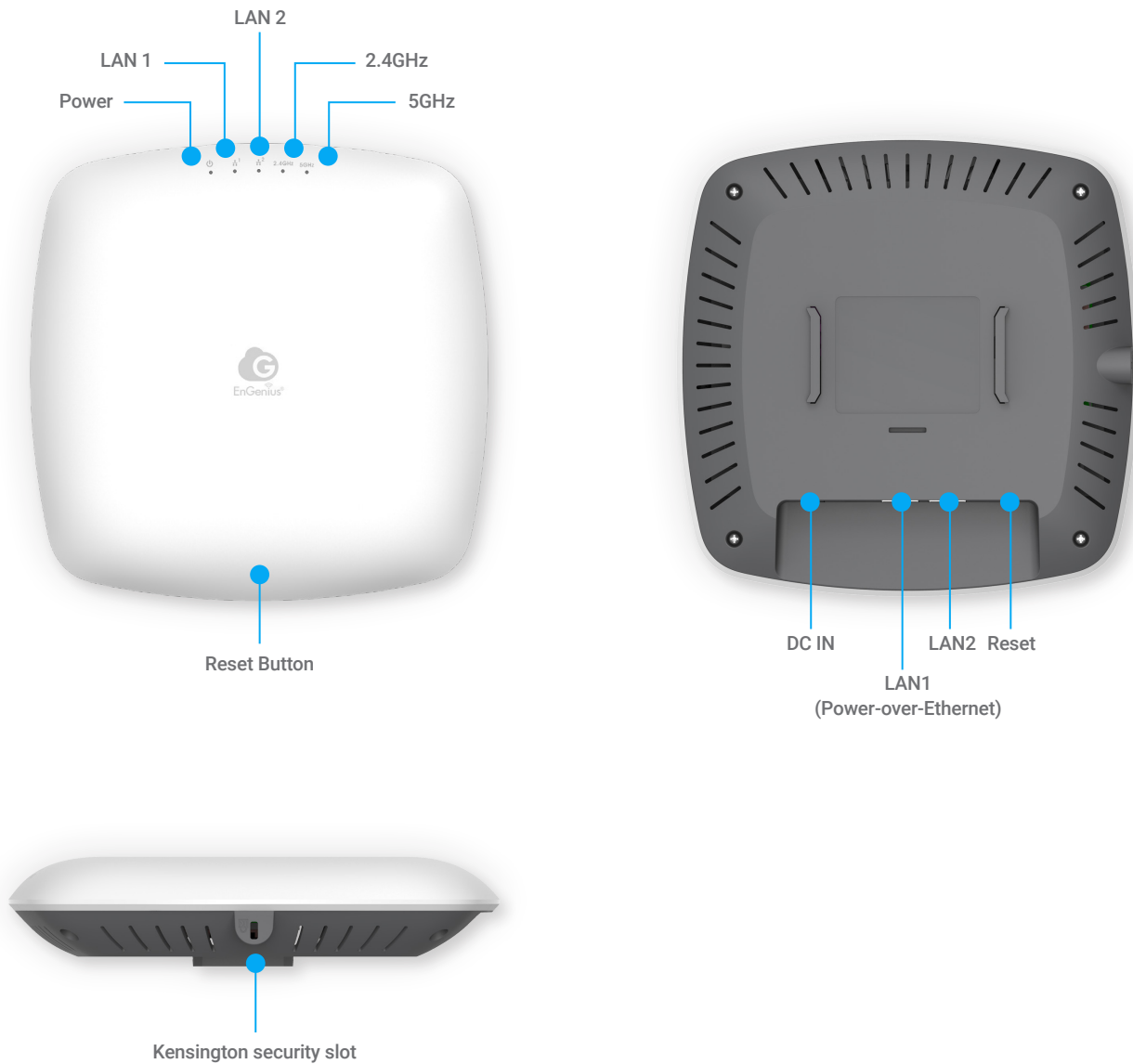
5GHz



5GHz



## Hardware Overviews



### EnGenius Technologies | Costa Mesa, California, USA

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+1) 714 432 8668

### EnGenius Networks Singapore Pte Ltd. | Singapore

Email: [techsupport@engeniustech.com.sg](mailto:techsupport@engeniustech.com.sg)  
Website: [www.engeniustech.com.sg](http://www.engeniustech.com.sg)  
Local contact: (+65) 6227 1088

### EnGenius Technologies Canada | Ontario, Canada

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+1) 905 940 8181

### EnGenius Networks Dubai | Dubai, UAE

Email: [support@engeniustech-me.com](mailto:support@engeniustech-me.com)  
Website: [www.engeniustech-me.com](http://www.engeniustech-me.com)  
Local contact: (+971) 4 339 1227

### EnGenius Networks Europe B.V. | Eindhoven, Netherlands

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+31) 40 8200 887

### 恩碩科技股份有限公司 | Taiwan, R.O.C.

Email: [sales@engeniustech.com.tw](mailto:sales@engeniustech.com.tw)  
Website: [www.engeniustech.com.tw](http://www.engeniustech.com.tw)  
Local contact: (+886) 933 250 628

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