



Cloud7 4x4x4

雲端管理 Wi-Fi 7 4×4×4 室內無線基地台

產品概述

EnGenius Cloud 雲端管理 Wi-Fi 7 4x4x4 無線基地台 ECW536 採用三頻並行 802.11be Wi-Fi 7 架構，最高可提供 11,600 Mbps (6 GHz)、5,800 Mbps (5 GHz) 及 1,400 Mbps (2.4 GHz) 的高速無線傳輸效能。支援 WPA3 與 WPA2-AES 驗證、遠端監控與故障排除，以及 Mesh 無線網狀網路功能，以提升無線訊號品質。透過 EnGenius Cloud App，可輕鬆完成部署並集中管理無限數量的無線基地台。



功能介紹

- 三頻並行 802.11be Wi-Fi 7 架構，向下相容既有 Wi-Fi 標準
- 最高支援 11,600 Mbps (6 GHz)、5,800 Mbps (5 GHz) 及 1,400 Mbps (2.4 GHz) 高速無線傳輸速率
- 10GbE 提供更高的傳輸效能，並支援 802.3bt 及 60W PoE Injector 供電，可透過單一網路線於最長 100 公尺 (328 英尺) 的距離進行彈性部署。
- 支援 WPA3 與 WPA2-AES 安全驗證
- 支援雲端管理 AP 與 Mesh 模式
- 支援快速掃描註冊與設備設定，以及遠端監控與故障排除
- 透過 EnGenius Cloud App，隨時隨地集中管理無限數量的無線基地台
- 支援 Mesh 無線網狀網路，可簡化部署、最佳化訊號覆蓋並具備自我修復能力

技術規格

基本規格

支援標準

IEEE 802.11be on 2.4 GHz
IEEE 802.11be on 5 GHz
IEEE 802.11be on 6 GHz
Backward compatible with 802.11a/b/g/n/ac/ax
IEEE 802.3 u/ab

天線規格

4 x 2.4 GHz: 5 dBi(Integrated Omni-Directional)
4 x 5 GHz: 6 dBi(Integrated Omni-Directional)
4 x 6 GHz: 5 dBi(Integrated Omni-Directional)

實體介面

1 x 10GE Port (PoE++)
1 x 10GE Port
1 x DC Jack
1 x Reset Button

LED 指示燈

1 x Multi-color LED

電源供應

Power-over-Ethernet: 802.3bt Input
12VDC /3A Power Adapter

最大功耗

38W

無線與射頻規格

操作頻段

Tri-Radio Concurrent 2.4 GHz & 5 GHz & 6GHz

運作模式

Managed mode: AP, AP Mesh, Mesh

RF 規格

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
6GHz: 5925-7125MHz

發射功率

Up to 25 dBm on 2.4 GHz
Up to 24 dBm on 5 GHz
Up to 24 dBm on 6 GHz
(Maximum power is limited by regulatory domain)

空間串流數

4 × 4:4

SU-MIMO 支援能力

Four(4) spatial stream Single User (SU) MIMO for up to 1,400 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 5,800 Mbps wireless data rate with HE160 bandwidth to a 4x4 wireless device under the 5GHz radio.

Four(4) spatial stream Single User (SU) MIMO for up to 11,600 Mbps wireless data rate with EHT320 bandwidth to a 4x4 wireless device under the 6GHz radio.

MU-MIMO 支援能力

Four(4) spatial stream MU-MIMO for up to 1,400 Mbps wireless data rate with VHT40 bandwidth to a 4x4 wireless device under the 2.4GHz radio simultaneously.

Four(4) spatial stream MU-MIMO for up to 5,800 Mbps wireless data rate with HE160 bandwidth to a 4x4 wireless device under the 5GHz radio simultaneously.

Four(4) spatial stream MU-MIMO for up to 11,600 Mbps wireless data rate with EHT320 bandwidth to a 4x4 wireless device under the 6GHz radio simultaneously.

支援傳輸速率

802.11be:

2.4 GHz: Max 1,400 (MCS0 to MCS13, NSS = 1 to 4)

5 GHz: Max 5,800 (MCS0 to MCS13 NSS = 1 to 4)

6 GHz: Max 11,600 (MCS0 to MCS13, NSS = 1 to 4)

802.11ax:

2.4 GHz: 9 to 1,148 (MCS0 to MCS11, NSS = 1 to 4)

5 GHz: 18 to 4,800 (MCS0 to MCS11, NSS = 1 to 4)

6 GHz: 18 to 4,800 (MCS0 to MCS11, NSS = 1 to 4)

802.11b: 1, 2, 5.5, 11

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

802.11n: 6.5 to 600 (MCS0 to MCS31)

802.11ac: 6.5 to 1,733 (MCS0 to MCS9, NSS = 1 to 4)

支援無線技術

802.11be/ax: Orthogonal Frequency Division Multiple Access(OFDMA)

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

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

頻道頻寬

802.11be supports extreme high efficiency (EHT) —EHT 20/40/80/160/320 MHz

802.11ax supports high efficiency throughput (HE) —HE 20/40/80/160 MHz

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 under the 2.4GHz radio —HT40 MHz (256-QAM)

802.11n/ac/ax packet aggregation: A-MPDU, A-SPDU

支援調變方式

802.11be: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM

802.11ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM

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

DFS 認證

FCC/CE/IC

最大同時連線用戶數

512

技術規格

用戶端負載平衡

Yes

自動頻道選擇

Yes

管理功能

多重 BSSID

8 SSIDs on both 2.4GHz, 5GHz and 6GHz bands

VLAN 標籤

Supports 802.1q SSID-to-VLAN Tagging
Cross-Band VLAN Pass-Through
Management VLAN

生成樹協定 (STP)

Supports 802.1d Spanning Tree Protocol

服務品質 (QoS)

Compliance With IEEE 802.11e Standard
WMM

簡易網路管理協定 (SNMP)

v1, v2c, v3

MIB

I/II, Private MIB

快速漫遊

802.11r/k

無線安全機制

WPA2-PSK
WPA2-Enterprise
WPA3-PSK
WPA3-Enterprise
Hide SSID in Beacons
Wireless STA (Client) Connected List
Client Isolation
Client Access Control

管理介面

IPv4, IPv6

本機 Web 管理存取

Supports HTTP or HTTPS

環境與硬體規格

操作溫度範圍

Operating: 32°F~122°F (0 °C~50 °C)
Storage: -40 °F~176 °F (-40 °C~80 °C)

操作濕度 (非冷凝)

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

尺寸與重量

重量

1270g

尺寸

Width: 230 mm
Length: 230 mm
Height: 39.5mm

內容物

1 – ECW536 Cloud Managed Indoor Access Point
1 – Ceiling Mount Base
1 – Ceiling and Wall Mount Screw Kit
1 – T-rail Mount kit
1 – Product Card

法規認證

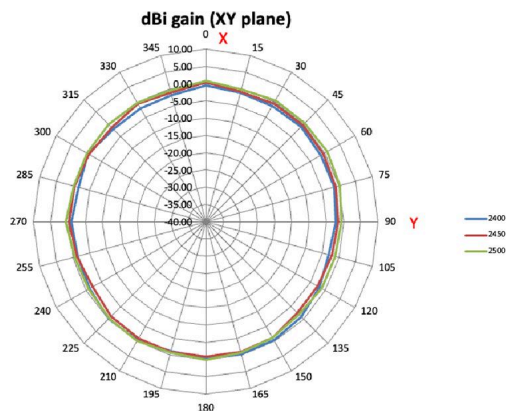
法規認證

FCC
CE
IC
UKCA
VCCI
AU

天線輻射場型

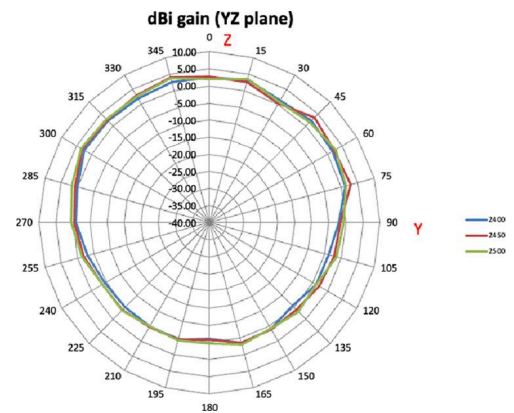
2.4GHz

H-Plane



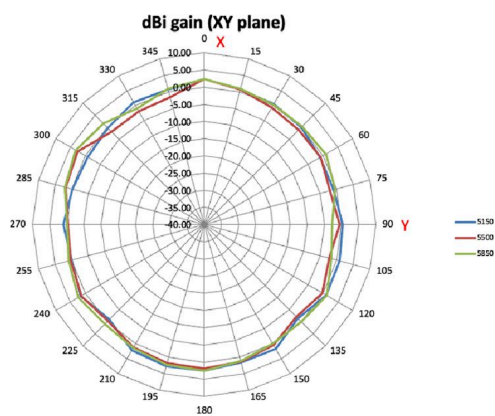
2.4GHz

E-Plane



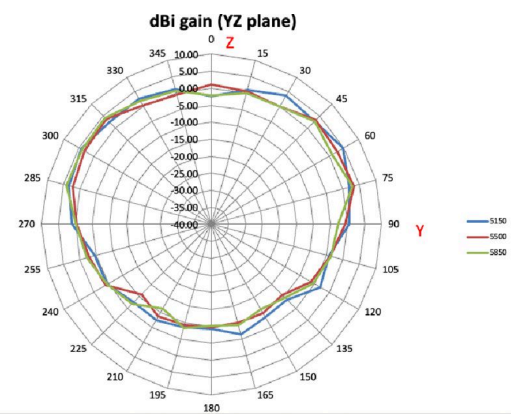
5GHz

H-Plane



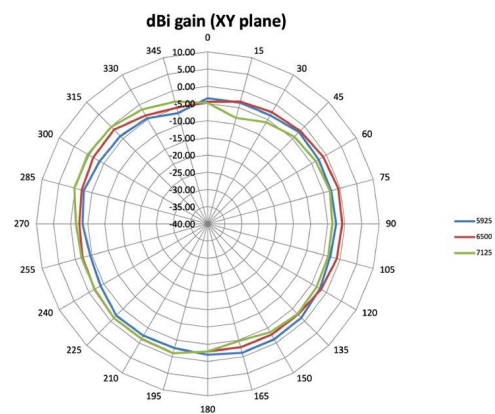
5GHz

E-Plane



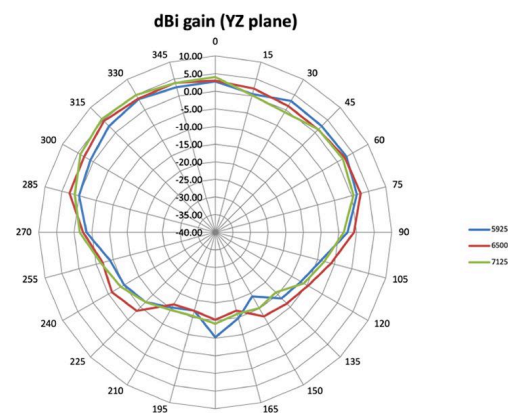
6GHz

H-Plane



6GHz

E-Plane



產品外觀



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