



Fit6 2x2

EnGenius Fit 802.11ax 2x2 Managed Dual Band Wireless Indoor Access Point

Overview

EnGenius Fit6 2x2 Managed Indoor Wireless Access Point offers advanced 802.11ax technology, granting users incredibly speedy and efficient performance with a maximum theoretical speed of 574 Mbps on the 2.4GHz frequency and an incredible 1,200 Mbps on 5GHz frequency! Furthermore it's safeguarded by top-tier WPA3/WPA2PSK AES encryption protocols for unparalleled security.



Features & Benefits

- Dual concurrent 802.11ax architecture & backward-compatible with 11ac/a/b/g/n client devices
- WPA3 & WPA2-AES authentication support
- 5 dBi integrated 2x2 antenna
- Supports up to 1,200 Mbps in the 5GHz frequency band & 574 Mbps in the 2.4GHz frequency band
- Local and remote management over Fitcon controller without fees
- 1x GE PoE+ port for easy placement up to 328 feet from a power source
- Choice of AP and WDS modes to meet your management & deployment requirements

Technical Specifications

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Standards

802.11a/b/g/n/ac/ax

Antenna - 2.4GHz

4dBi

Antenna - 5GHz

5dBi

Physical Interfaces

1 x 10/100/1000 BASE-T

DC12V

Reset/Reboot button

LED indicators

1 x Power

1 x LAN

1 x 2.4 GHz

1 x 5 GHz

Power Source

PoE 802.3af/at

DC12V

Maximum Power Consumption

12.8W

Wireless & Radio Specifications

Operating Frequency

Dual-Radio Concurrent 2.4 GHz & 5 GHz

Operation Modes

Managed mode: AP, AP 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 22 dBm on 2.4 GHz

Up to 22 dBm on 5 GHz

(Maximum power is limited by regulatory domain)

Radio Chains

2 x 2:2

SU-MIMO

Two (2) spatial stream Single User (SU) MIMO for up to 574 Mbps wireless data rate with HE40 bandwidth to a 2x2 wireless client device under the 2.4GHz radio.

Two (2) spatial stream Single User (SU) MIMO for up to 1,200 Mbps wireless data rate with VHT80 to a 2x2 wireless device under the 5GHz radio.

MU-MIMO

Two (2) spatial streams Multiple (MU)-MIMO up to 1,200 Mbps wireless data rate for transmitting to two (2) streams MU-MIMO 11ax capable wireless client devices under 5GHz simultaneously.

Two (2) spatial streams Multiple (MU)-MIMO up to 574 Mbps wireless data rate for transmitting to two (2) streams MU-MIMO 11ax capable wireless client devices under 2.4GHz simultaneously.

Supported Data Rates

802.11ax:

2.4 GHz: 9 to 574 (MCS0 to MCS11, NSS = 1 to 2)

5 GHz: 18 to 1200 (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)

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

Supported Radio Technology

802.11ax: Orthogonal Frequency Division Multiple Access(OFDMA)

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

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

Channelization

802.11ax supports high efficiency throughput (HE) –HE 20/40/80 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

Supported Modulation

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

Max Concurrent User

128 per radio

Environmental & Physical

Operating Temperature

32°F~104°F (0 °C~40 °C)

Storage Temperature

-40 °F~176 °F (-40 °C~80 °C)

Storage Humidity

Storage: 90% or less

Dimensions & Weight

Weight

382 g

Dimensions

160 x 160 x 27 mm

Package Contents

1 – EWS357-FIT 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

Safety Compliance

CB

WEEE

Yes

RoHS

Yes

Regulatory Compliance

FCC

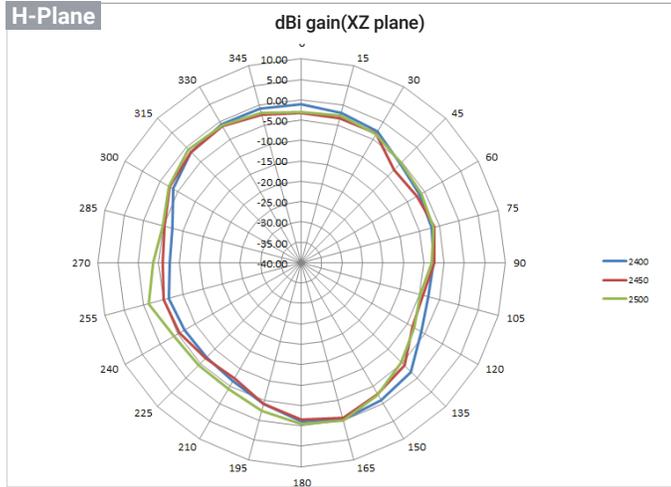
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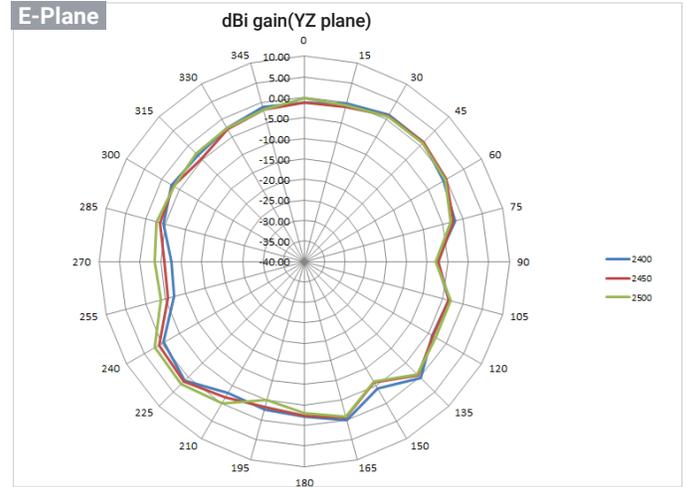
UKCA

Antennas Patterns

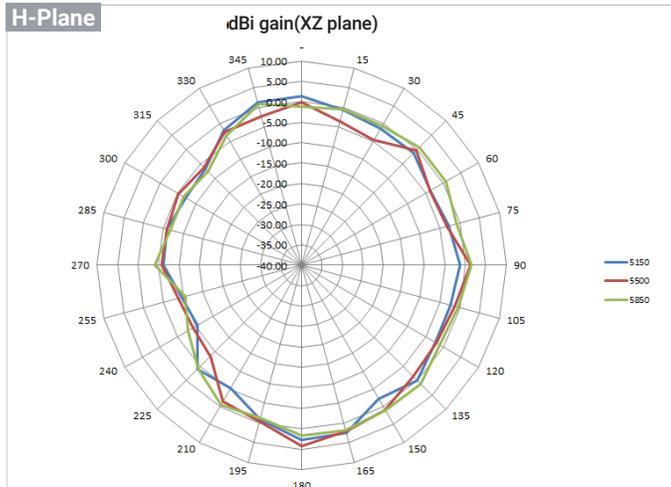
2.4GHz



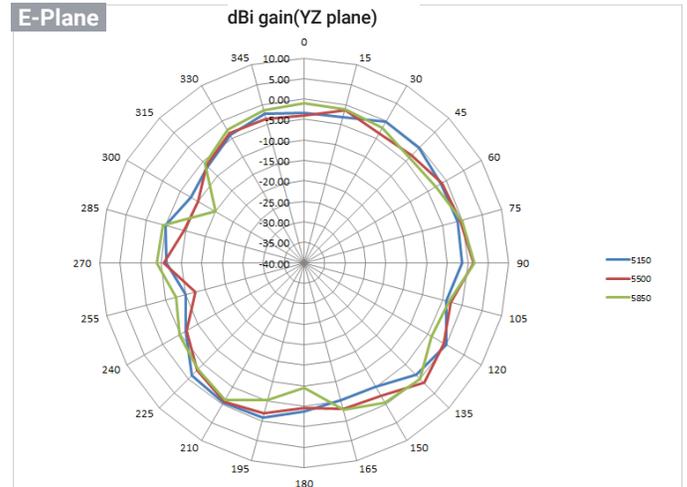
2.4GHz



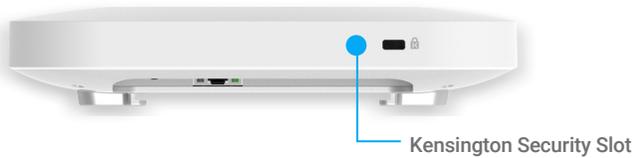
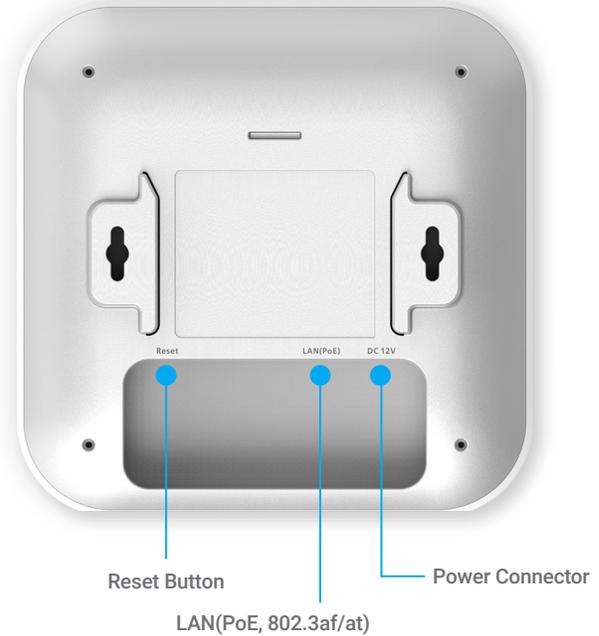
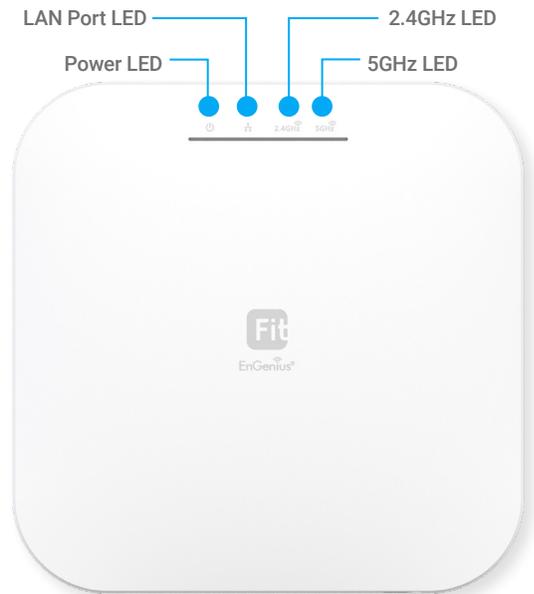
5GHz



5GHz



Hardware Overviews



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