io by **HFCL**

Quick Start Guide

Access Point
ion4xi

io by HFCL

ANYWHERE
EVERYWHERE

02

![io by HFCL logo]

Introduction

Thank you for purchasing our ion4xi, a cutting-edge centrally managed Access Point. This device is Wi-Fi 6 certified, featuring a 2x2:2 MU-MIMO setup that sets new standards for wireless performance and efficiency.

Packaging Content

ion4xi
Access Point (Qty:1)

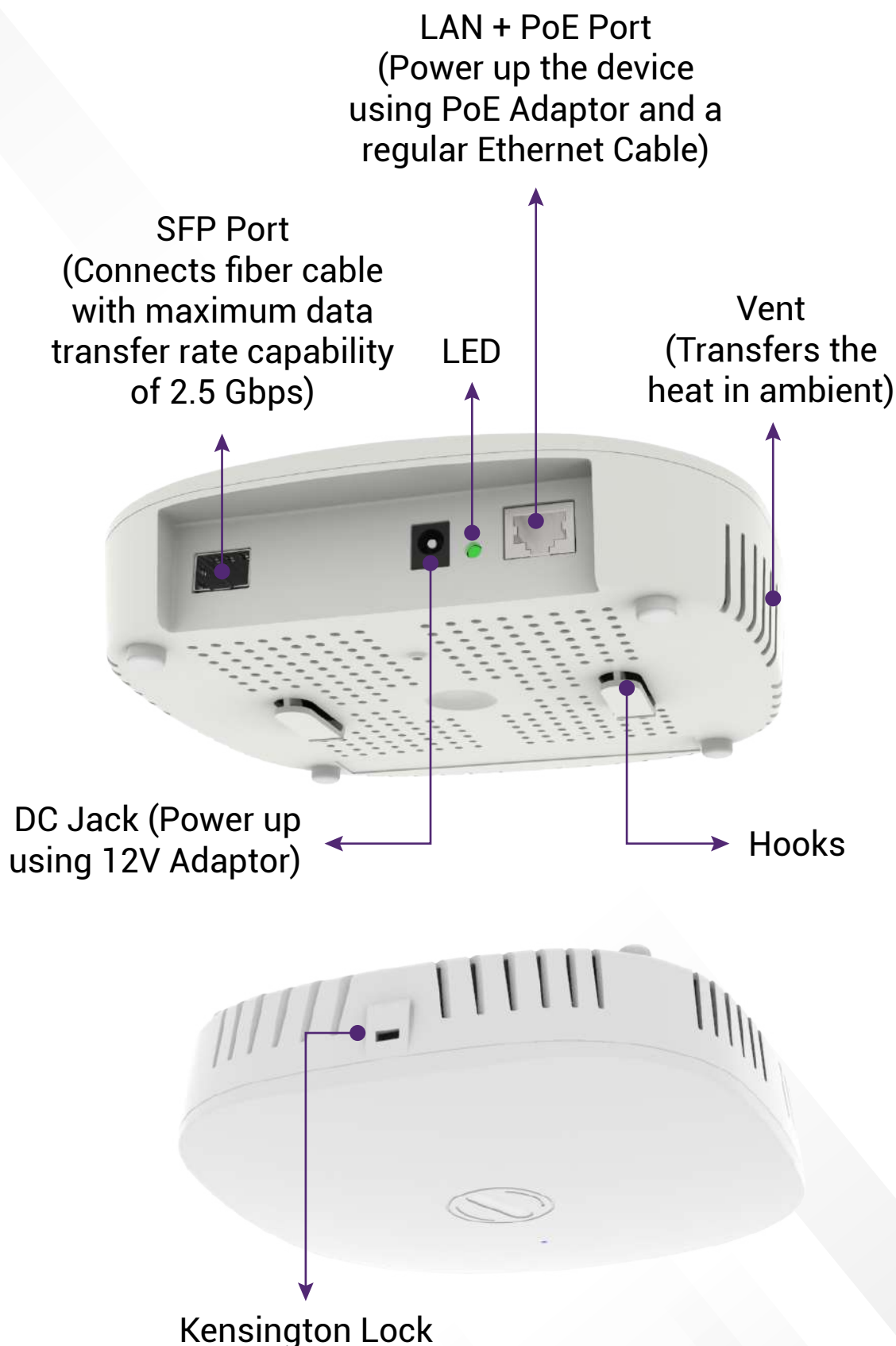Adaptor (Qty:1)
(Varies by Region)

Mounting
Bracket (Qty:1)

Mounting Screws (Qty:4)

Plastic Wall Anchors (Qty:4)

:::: Product Specifications ::::

Peak Data Rate (aggregate)	Upto 1.78 Gbps (1202 Mbps for 5 GHz and 574 Mbps for 2.4 GHz)
Wi-Fi Standard Support	802.11a/b/g/n/ac/ac Wave 2/ax
Interface	1 X 10/100/1000 BASE-T Ethernet 1 X 2500 Base X Optical Ethernet SFP DC Power Jack
Radio Mode	2x2 MU-MIMO with 2 spatial streams
Mesh Support	Self-creating, Self-healing EasyMesh
Maximum number of SSID (per radio)	16
Maximum User Support	1024 clients per Access Point (512 clients per radio)
Power Supply	+12V DC Power Adaptor IEEE 802.3at PoE/PoE+
Power Consumption (Max)	20 W (approx.)
Max Transmit Power	26 dBm for 2.4 GHz, 26 dBm for 5 GHz(will depend on country-specific guidelines)
Antenna Gain	4 dBi for both 2.4 GHz and 5 GHz
Antenna Type	Integrated Omni-directional Antennas
Management	Standalone (via GUI) or through on-premise based solution or cloud-based
Enclosure Dimensions	180 x 180 x 50 mm or 7.09 x 7.09 x 1.97 inches
Weight	0.45 kg
Operating Temperature	-10°C to 55°C
Certifications	FCC Class B, CE, Passpoint 2.0, WPA3, EasyMesh, RoHS 3.0

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:::: **Product Overview** ::::

LAN + PoE Port
(Power up the device
using PoE Adaptor and a
regular Ethernet Cable)

SFP Port
(Connects fiber cable
with maximum data
transfer rate capability
of 2.5 Gbps)

LED

Vent
(Transfers the
heat in ambient)

DC Jack (Power up
using 12V Adaptor)

Hooks

Kensington Lock

Mounting of Access Point

1. Place the mounting bracket which came with the package on a wall or ceiling and mark holes with a marker where you will insert the screws. Drill holes in the marked points and insert the plastic wall anchors.

2. Use supplied screws and attach mounting bracket on the wall.

Note: Make sure that mounting bracket is tightly installed before mounting the Access Point on the wall or ceiling.

Wall/Ceiling

Holes in the Mounting Bracket with supplied screws
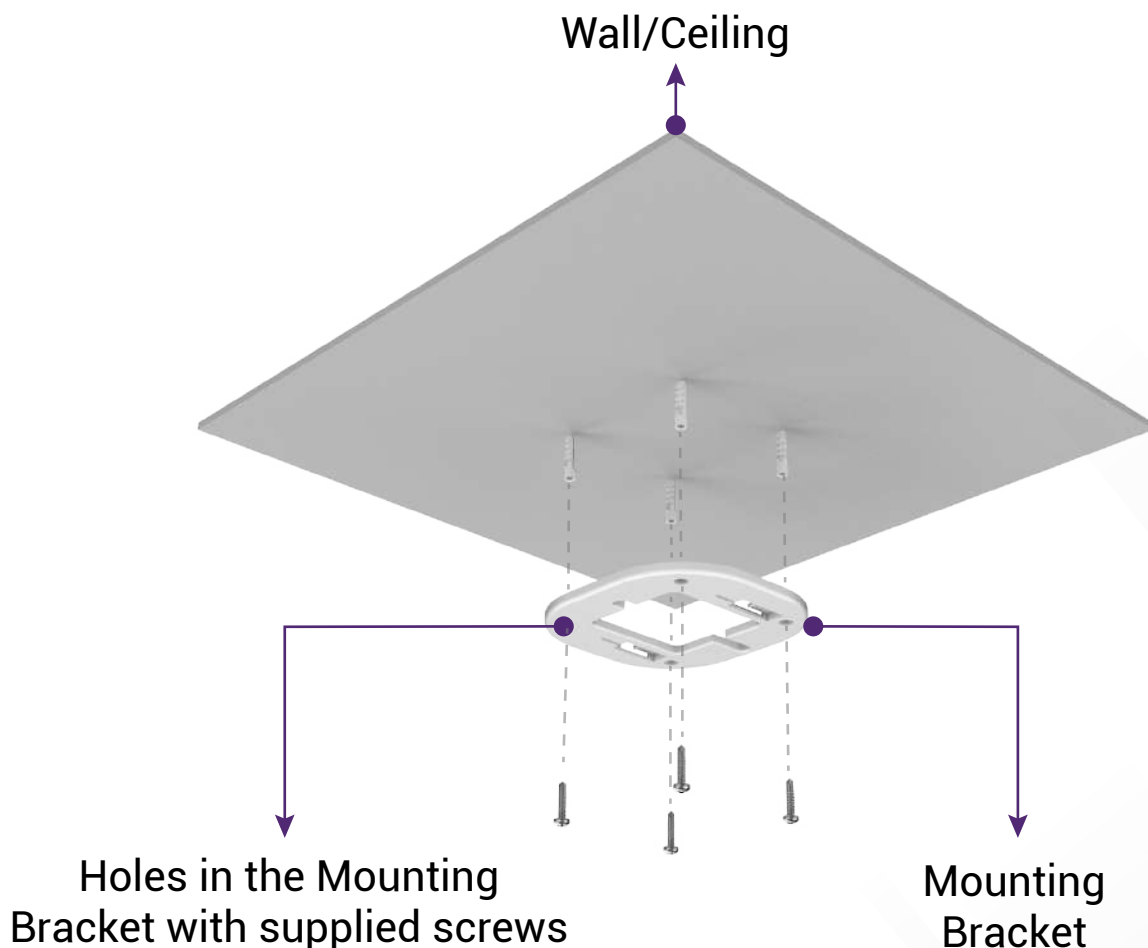
Mounting Bracket

3. Align the mounting slots of Access Point with the hooks of the mounting bracket, ensure that it is properly hinged.

Mounting Slots

Kensington Lock

(Securely align the hooks of Access Point with the mounting slots of mounting bracket)
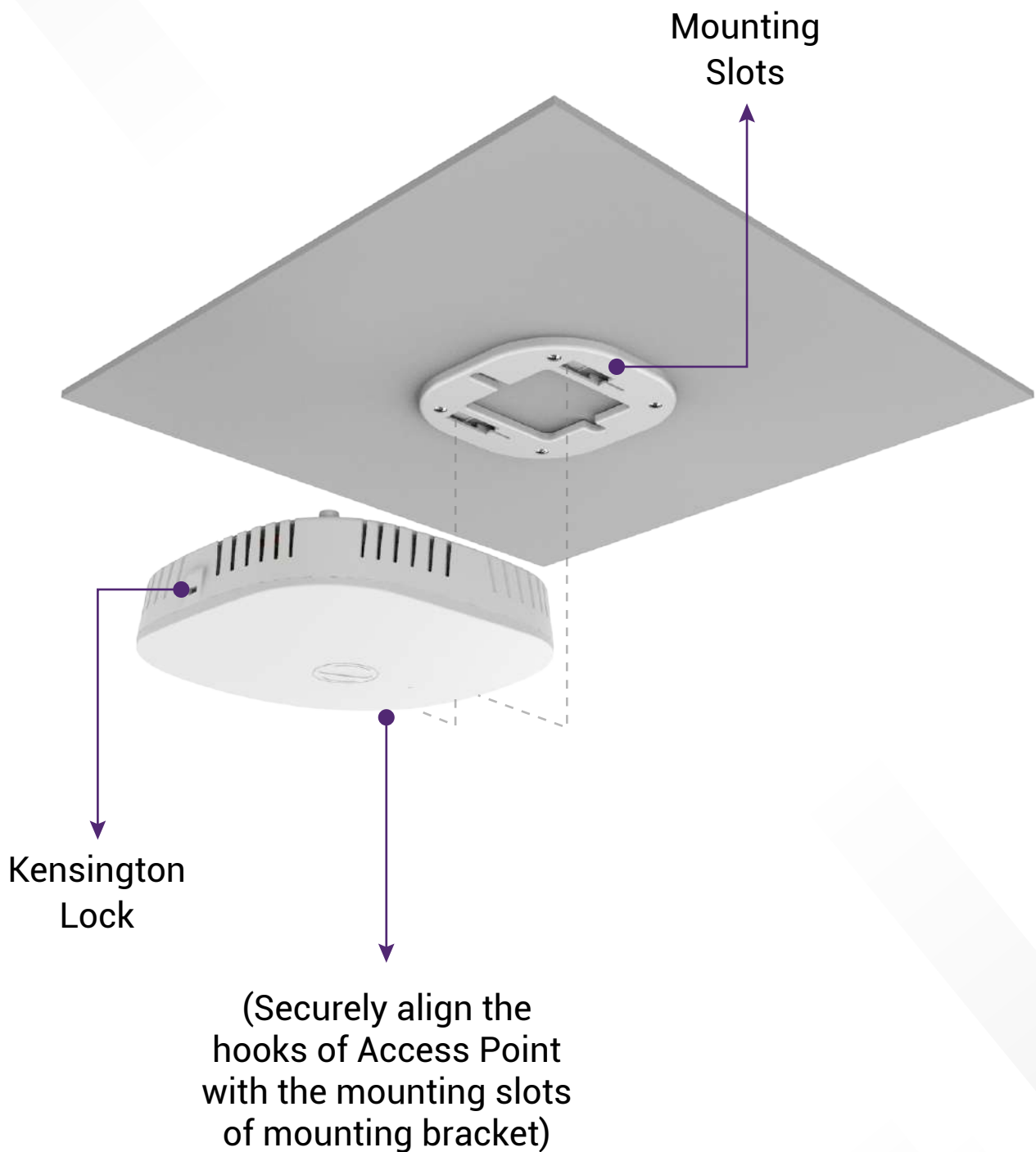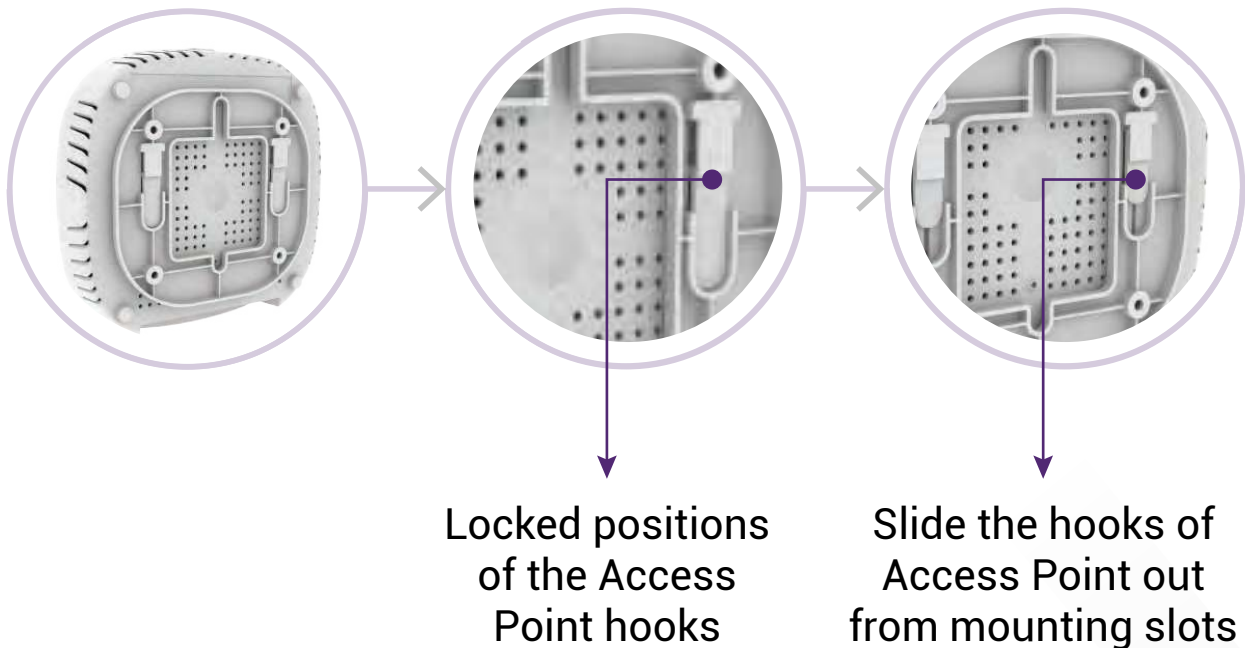
Unmounting of Access Point

1. Slide the hooks of Access Point out from the mounting slots of mounting bracket.

Locked positions of the Access Point hooks
Slide the hooks of Access Point out from mounting slots

Locked positions of the Access Point hooks

Slide the hooks of Access Point out from mounting slots

WARNING:

HFCL cannot be held liable for any damages incurred during the process.

Getting the Access Point Online

The Access point can be powered up using DC adaptor (12V) or PoE adaptor (48V) as shown below:

Step 1:

(Power up)

In order to power on the device, connect the DC Adaptor* to the Access Point.

Laptop/ Computer

DC Adaptor

——— **Power up using DC Power Adaptor** ———

In order to power on the device, connect Access Point PoE supported Ethernet Port to PoE adaptor power port using Ethernet cable.

PoE Adaptor (48V)

Laptop/ Computer
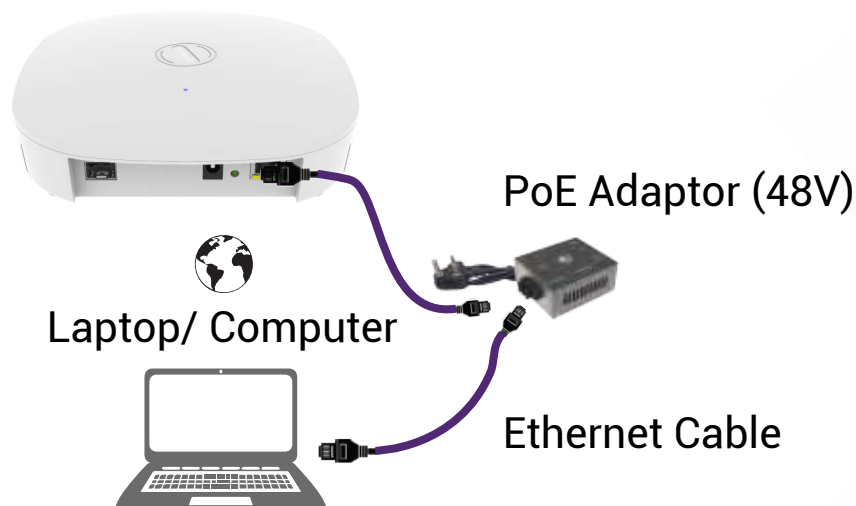
Ethernet Cable

——— **Power up using PoE Adaptor** ———

Note: *DC Power Adaptor availability varies by region. Please contact your sales representative for more details.

Step 2:

Connect to the network

Section 1: Standalone AP

1. Connect an Ethernet cable to the computer.

2. Connect the other end of the Ethernet cable to the LAN port on the Access Point

3. Configure the computer with a same domain static IP 192.168.1.X and a subnet mask of 255.255.255.0 (X is from 2 to 255)

4. Open the web browser and enter the Access Point static IP address in the address bar: 192.168.1.1

5. A login screen will appear

6. Enter the default login credential details: *User- root, Password- hfcl!@ion*

:::: **Section 2:** Controller Managed AP ::::

Follow the steps mentioned to connect Access Point to a network:

:::: **1.** Connect the AP to DHCP network and Internet

:::: **2.** Login to HFCL io cloud controller (cNMS) iocloud.hfcl.com with credentials provided

:::: **3.** To get cNMS login credential, please send request email to iosupport@hfcl.com with below details

Customer name	Customer email address	Customer address	Customer contact number	Distributor/ Retailer Name	No.of AP Purchased	Country

:::: **4.** Add AP group under configuration

:::: **5.** Add APs in the AP group

:::: **6.** Create SSID in the AP group

:::: **7.** Refer our website io.hfcl.com for detailed information to configure AP through cNMS

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Step 3:

Check the LED status

Status LED

Power LED

LED COLOR	STATUS
Power LED Green	Green color notifies that the device in powered ON
Status LED Green	Solid green color notifies the user that the 2.4GHz radio is active and blinks while data is being transmitted on 2.4GHz radio
Status LED Blue	Solid blue color notifies the user that the 5GHz radio is active and blinks while data is being transmitted on 5GHz radio
Status LED Cyan	Solid cyan color notifies the user that both 2.4GHz & 5 GHz radio are active and blinks while data is being transmitted on both radios

Safety Precautions

Observe the following safety precautions
to avoid damage to the Access Point:

Do not subject the device to high temperatures

Keep away from high voltage cables

Disconnect the device before cleansing it

Do not wipe the device with a damp cloth

Do not open the enclosure of the Access Point

Fasten the device tightly with the mount

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