Quick Start Guide

RESET

WPS

LAN 1   LAN 2   LAN 3   LAN 4   LED   12V DC

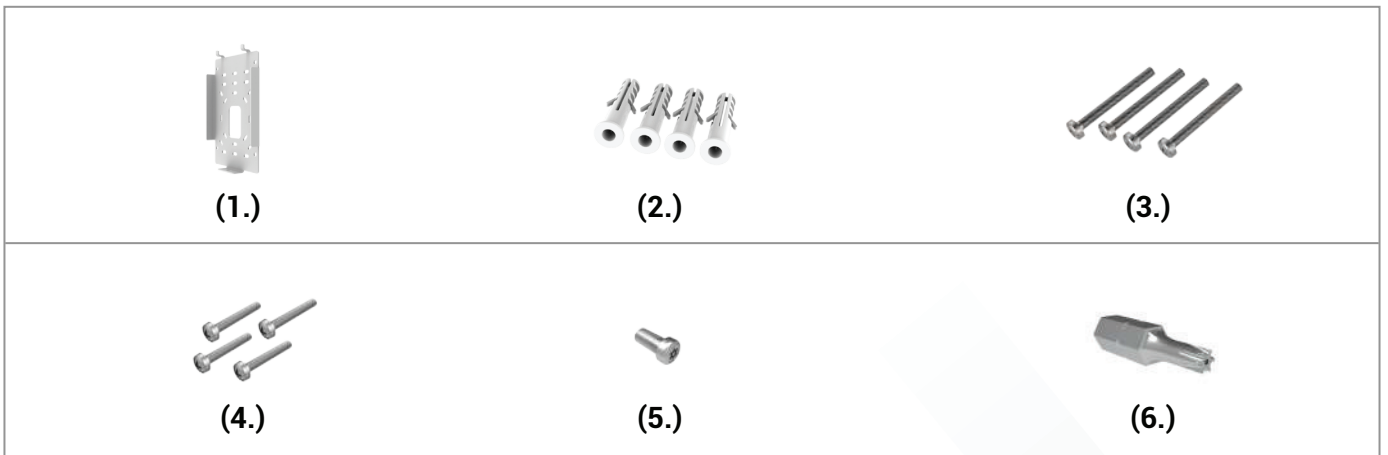## Wall Plate Access Point
ion4xi_WP

ANYWHERE
EVERYWHERE

Introduction

Thank you for purchasing our ion4xi_WP, 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_WP

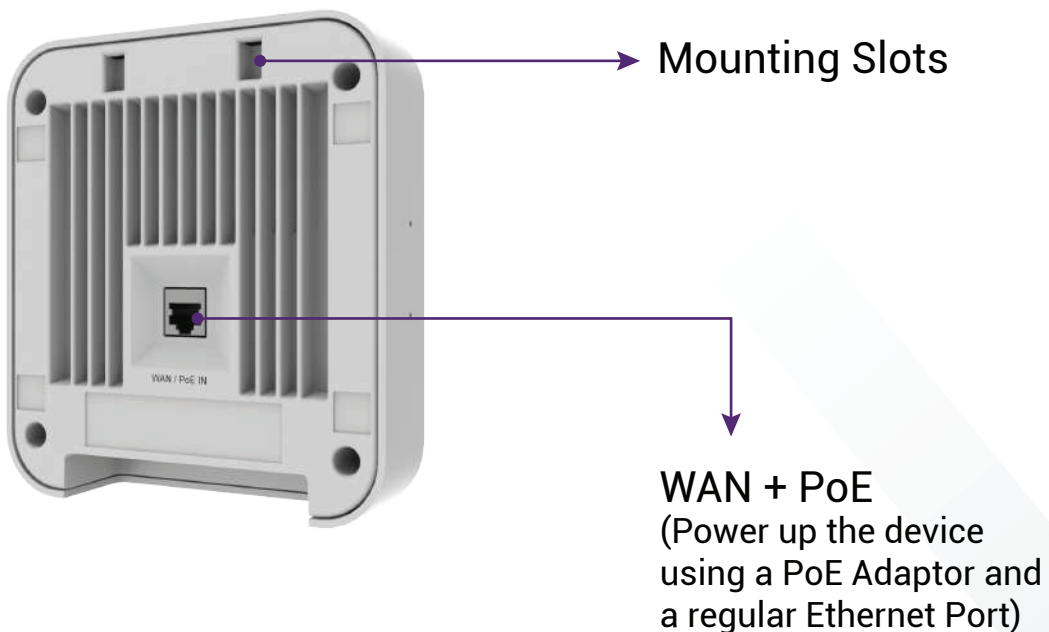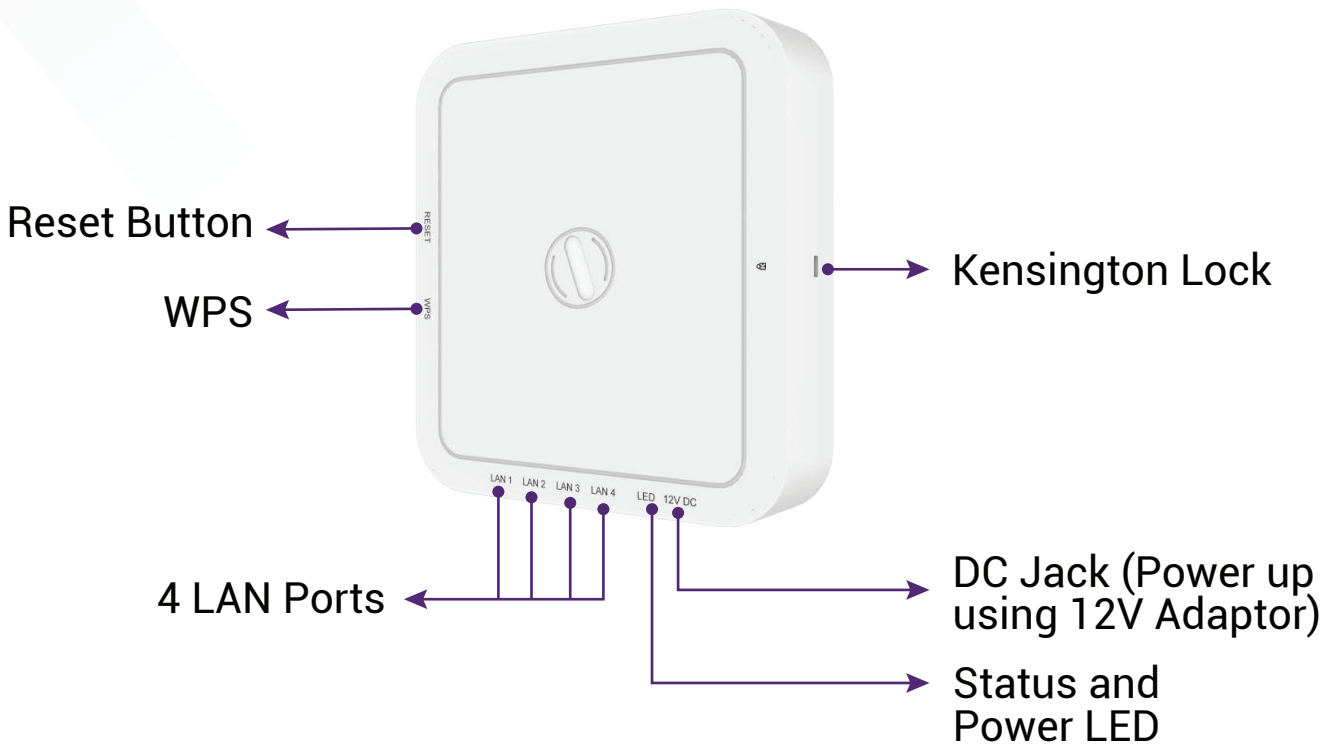(1.) (2.) (3.)

(4.) (5.) (6.)

1. Mounting Bracket (1),
2. Plastic Wall Anchors (4),
3. Wall-Mount Screws (4),
4. Phillips Screws (4),
5. Phillips Security Screw (1),
6. Allen Key (1) or Screw Bit (1)

::: Product Specifications :::

Peak Data Rate (aggregate)	Up to 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 10/100/1000/2500 Base-T Ethernet (WAN & PoE-in) 4 x 10/100/1000 Base-T Ethernet (LAN) DC input jack (optional) Reset and WPS buttons
Radio Mode	2x2 MU-MIMO with 2 spatial streams
Mesh Support	Self-creating, Self-healing EasyMesh
Maximum number of SSID (per radio)	8 per radio; 16 combined
Maximum User Support	256
Power Supply	802.3af/at PoE Input 12V DC Power Adapter (optional)
Power Consumption (Max)	15 W (approx)
Max Transmit Power	20 dBm for 2.4 GHz, 23 dBm for 5 GHz (will depend on country-specific guidelines)
Antenna Type	Integrated Omni-directional Antennas
Antenna Gain	3.5 dBi on 2.4 GHz and 5 dBi on 5 GHz
Management	Standalone (via GUI) or through on-premise based solution or cloud-based
Enclosure Dimensions	163 x 150 x 38 mm or 6.4 x 5.9 x 1.49 inches
Weight	0.59 kg
Operating Temperature	0º C to 45º C
Certifications	FCC Class B, CE, Passpoint 3.0, EasyMesh, WPA3, RoHS 3.0

Product Overview

Reset Button ←

WPS ←

→ Kensington Lock

4 LAN Ports ←

→ DC Jack (Power up using 12V Adaptor)

→ Status and Power LED

→ Mounting Slots

WAN + PoE
(Power up the device using a PoE Adaptor and a regular Ethernet Port)
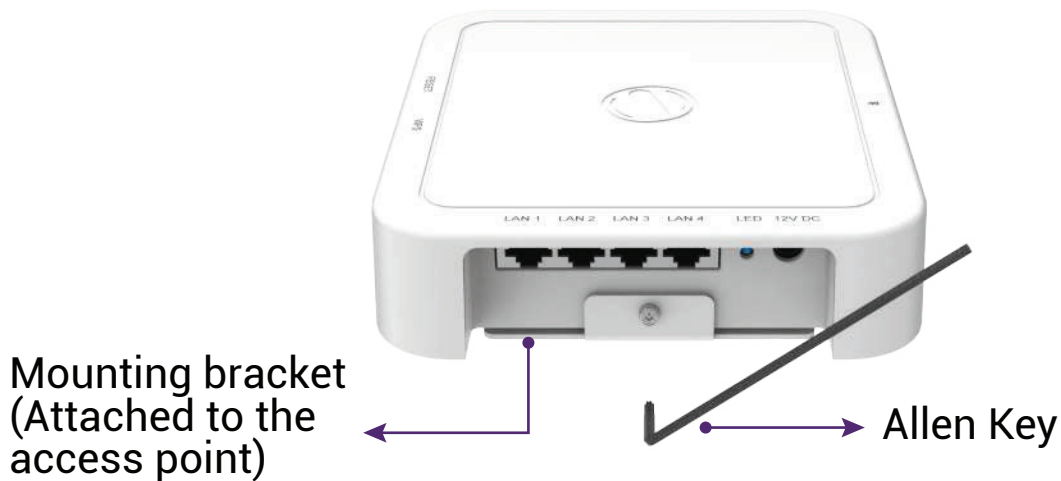
Mounting of Access Point

Perform the following steps for appropriate installation onto a wall.

1. The Access Point comes with a pre-attached wall mounting bracket

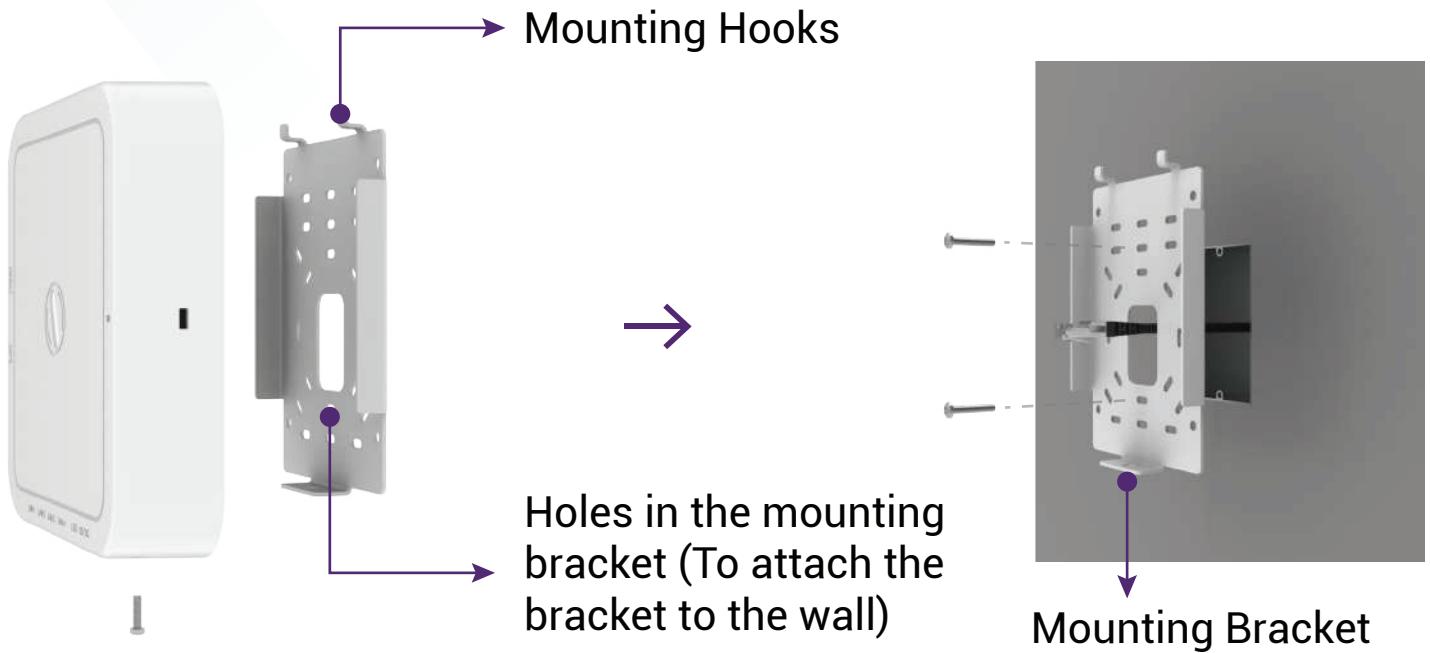Mounting bracket (Attached to the access point) ← Allen Key →

**2.** Use Allen Key/Screw Bit to unscrew the wall mounting bracket from the Access Point

An electrical wall box should be pre-installed with an Ethernet cable running from the box to a Switch with PoE

3. There are several mounting holes on the bracket that may be used with various wall boxes. Attach the bracket on the wall using the wall mount screws.
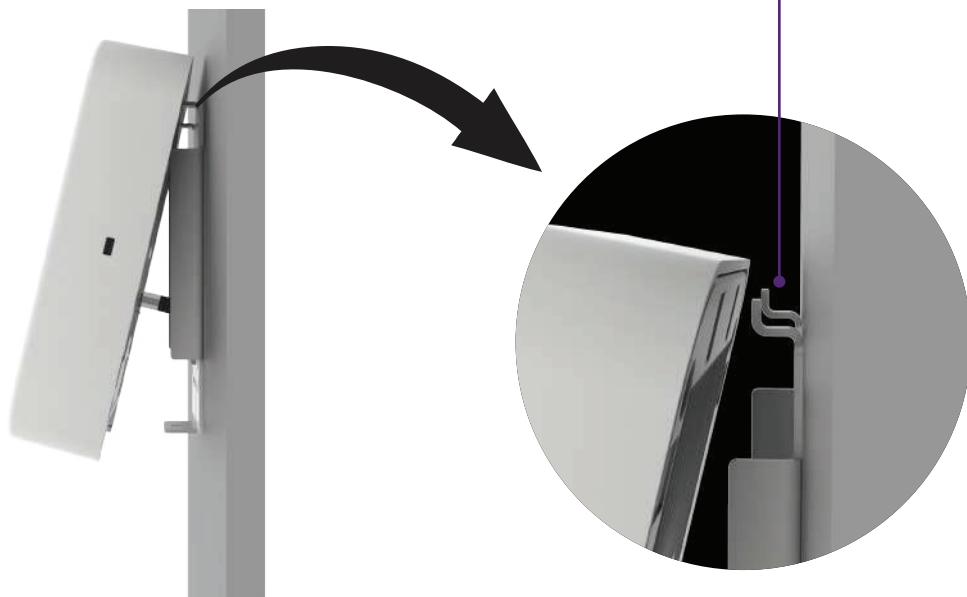
Mounting Hooks

Holes in the mounting bracket (To attach the bracket to the wall)

Mounting Bracket

4. Pass the Ethernet cable through the bracket and connect it to the PoE port on the Access Point

WAN + PoE (Power up the device by PoE Adaptor and a regular Ethernet Port)

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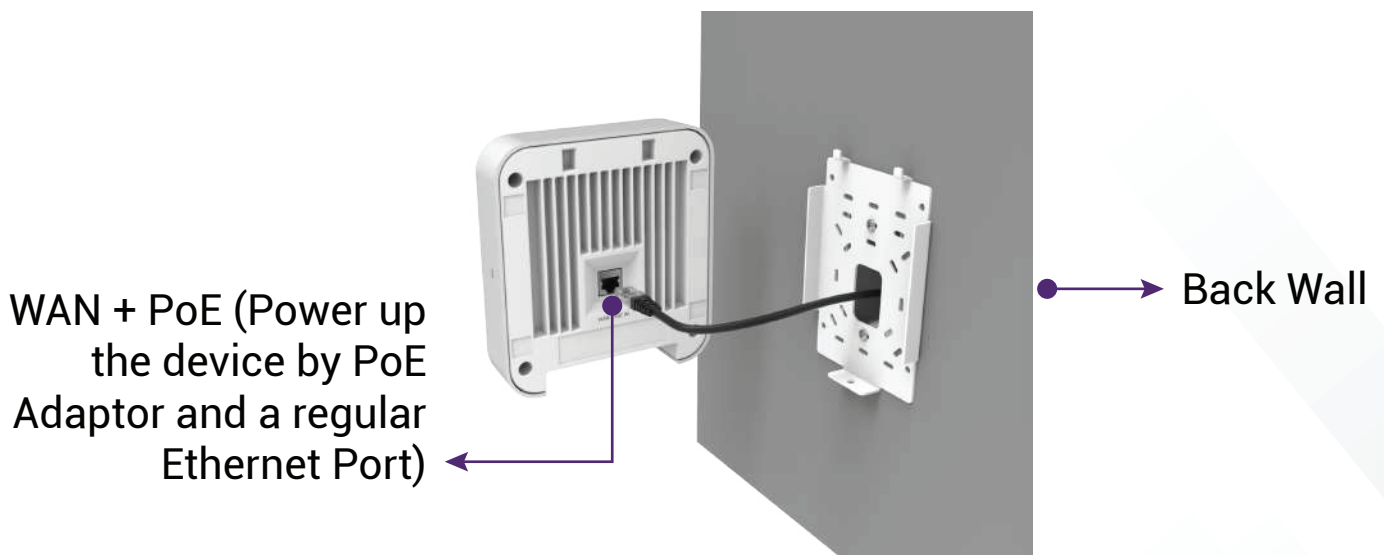
Note: Make sure that the mounting bracket is tightly installed before mounting the Access Point on the wall.

5. Align the mounting slots of the Access Point with the hooks of the bracket and ensure that it is properly hinged in its place.

Securely align the mounting slots of access point with hooks of the bracket

6. Secure the Access Point to the bracket by tightening the Phillips Security screw using Allen Key/Screw Bit.

WARNING:

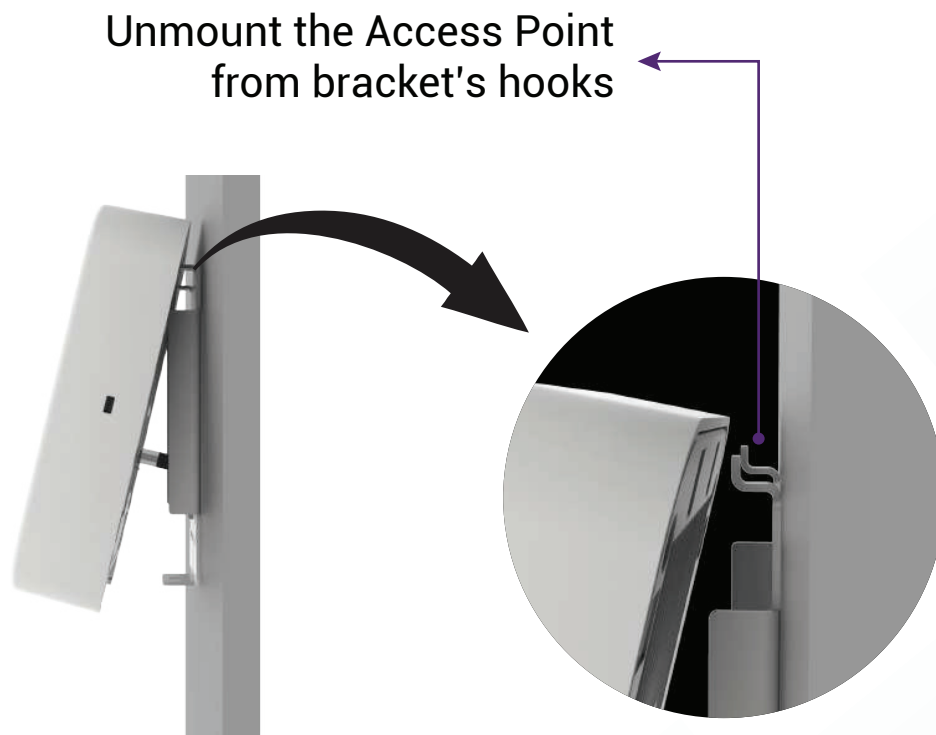HFCL cannot be held liable for any damages incurred during the process

Unmounting of Access Point

Perform the following steps for unmounting of Access Point.

1. Loosen the Phillips Security screw as indicated below using the Allen key/ Screw bit.

2. Unmount the Access Point from the hooks of the bracket.
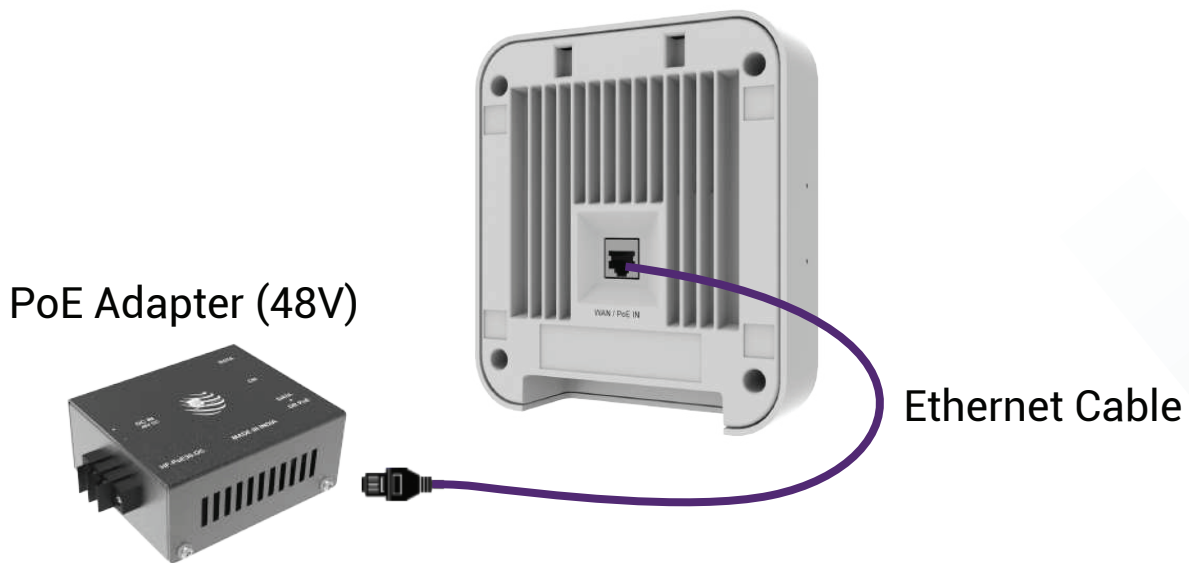
Unmount the Access Point
from bracket's hooks

Getting the Access Point Online

Step 1:

Power up

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

DC Power Adaptor

Power up using DC Power Adaptor

PoE Adapter (48V)

Ethernet Cable

Power up using PoE Adaptor

**Note:** Plug and Adaptor will vary by country/region

Step 2:

Connect to the network

: : : : **Section 1:** Standalone AP : : : :

Follow the steps mentioned below and connect the Access Point to a network

: : : : **1.** Connect an ethernet cable to the computer

: : : : **2.** Connect the other end of the ethernet cable to the WAN port on the Access Point or use a PoE adaptor to do so

Laptop/ Computer

PoE Adaptor (48V)

Ethernet Cable
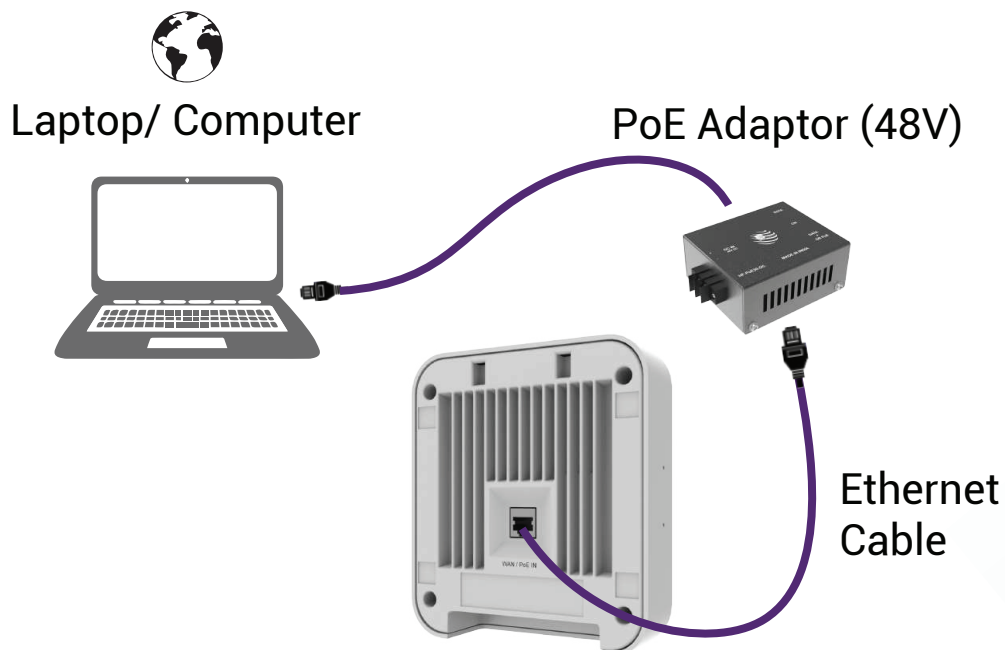
: : : : **3.** Open the web browser and enter the Access Point static IP address in the address bar: 192.168.1.1

: : : : **4.** A login screen will appear

: : : : **5.** Enter the default login credential details: User-root, Password-hfcl!ion
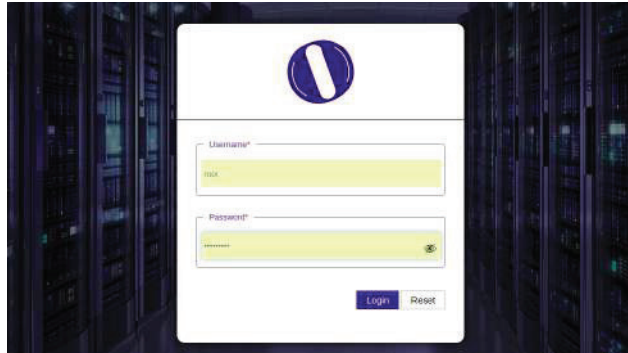
:::: **Section 2:** Controller Managed AP ::::

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

:::: 1. Power-up the AP through PoE adapter or PoE switch

:::: 2. Connect the AP to DHCP network and Internet

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

:::: 4. 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

:::: 5. Add AP group under configuration

:::: 6. Add APs in the AP group

:::: 7. Create SSID in the AP group

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

Step 3:

Check the LED status

Status and
Power LED

LED COLOR	STATUS
Blue (Constant)	Solid/constant blue color notifies the user that the device is powered ON and no data is being transmitted
Blue (Slow blinking)	Slow blinking blue color notifies the user that the device is powered ON and data is being transmitted on either one or both radios
Blue (Fast blinking)	Fast blinking blue color notifies the user that the device is rebooting

Safety Precautions

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

Do not subject the device to high temperatures

Keep away from high voltage cables

Disconnect the device before cleaning 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

io by HFCL

NORTHSTAR
TELECOM

Suite 2101, Bahrain Financial Tower (West Tower)
P.O. Box 2591, Kingdom of Bahrain

📞 17565171   🟢 17565171   ✉ enquiries@northstar-telecom.net

www.northstar-telecom.net