



# HFCL ion4I2-CPE Wi-Fi Solutions to Bridge Digital Divide User Guide

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**HFCL ion4I2-CPE Wi-Fi Solutions to Bridge Digital Divide**



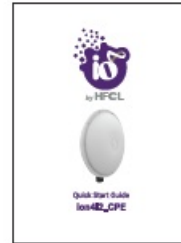
## **Introduction**

Thank you for choosing the IO's Unlicensed Band Radio (UBR). Enterprise Grade point-to-point and point-to-multipoint solution is optimally designed to support low to medium capacity enterprise applications in unlicensed 5 GHz spectrum for short and long range links.

## **Packaging Content**



**2x2 CPE**  
**(Qty:1)**



**Quick Start Guide**  
**(Qty:1)**



**Pole Holder**  
**(Qty:1)**



**Hose Clamp**  
**(Qty:1)**



**PoE Injector (24V)**  
**(Qty:1)**

#### **ion412\_CPE Specifications**

Peak Throughput (aggregate)	Up to 300 Mbps Aggregate UUDL Throughput
MIMO	2X2
Modulation	Upto256 QAM
Channel Bandwidth	10/20/40 MHz
Wireless QoS	802.11e WMM

Wireless Security	WPA, WPA2, & 128-bit AES-PSK with hardware acceleration
Power Supply	IEEE 802.3af 24V Passive PoE
Power Consumption (Max)	<15W
Antenna Type	Integrated High Performance Antenna
Antenna Gain	23 dBi
Management	Standalone (via GUI) or through appliance-based EMS or cloud-based
Enclosure Dimensions	328 x 305 x 122 mm or 12.9 x 12 x 4.8 inches
Weight	1.04 kg
Operating Temperature	0°C to 55°C
Certifications	CE, FCC Class A, RoHS <b>3.0</b> , <b>IP67</b>

## Product Overview



### **Mounting of ion412\_CPE**

The ion412...CPE can be mounted on a pole. Perform the following steps for appropriate installation.

#### **Pole Mount**

To mount ion412...CPE on a pole, use the pole holder & the hose clamp provided.

1. Attach the pole holder to the backside of the CPE.



2. The hose clamp is slid through the back of ion4I2\_CPE as shown below.



3. Wrap the hose clamps around the pole. Tighten the strap by turning the screws clockwise.



## Getting the ion412\_CPE Online

### Step 1 : Power up

ion412\_CPE can be powered up using PoE Injector (24V) as shown below:

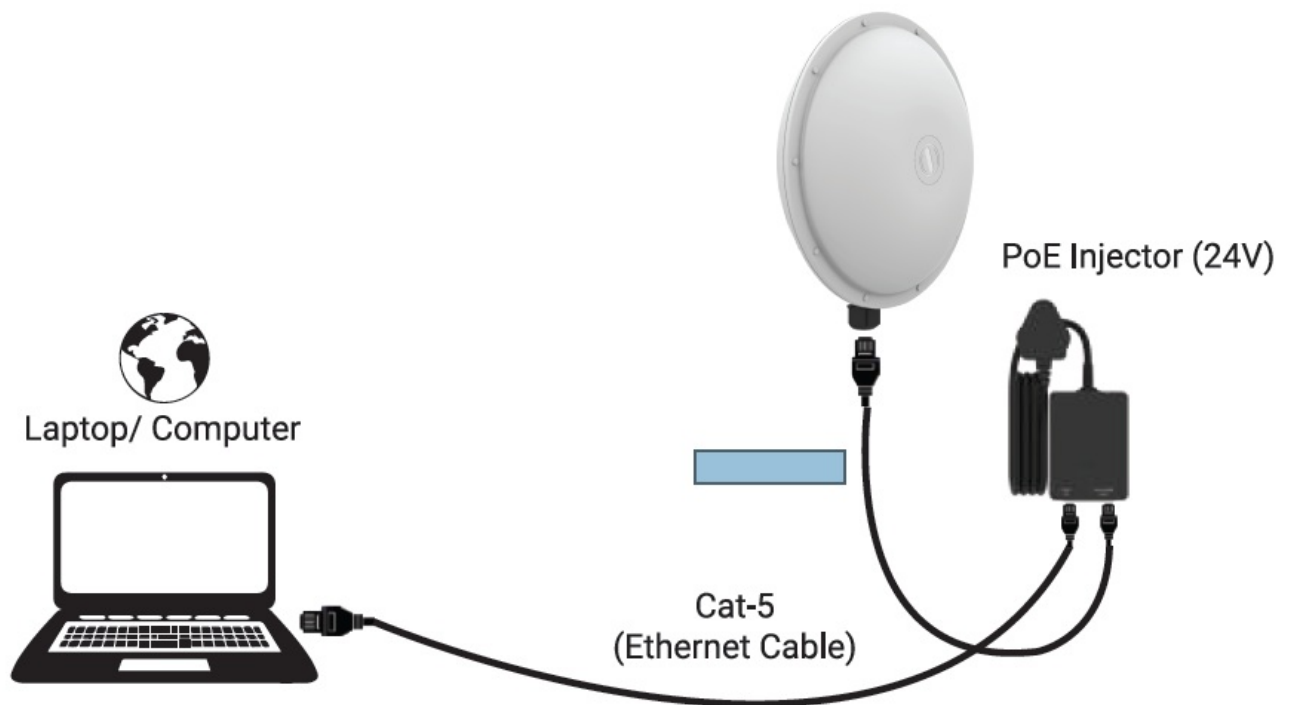


**Note:** For powering on the CPE, use only HFCL PoE Injector supplied along with the unit. Plug and Adaptor will vary by country/ region.

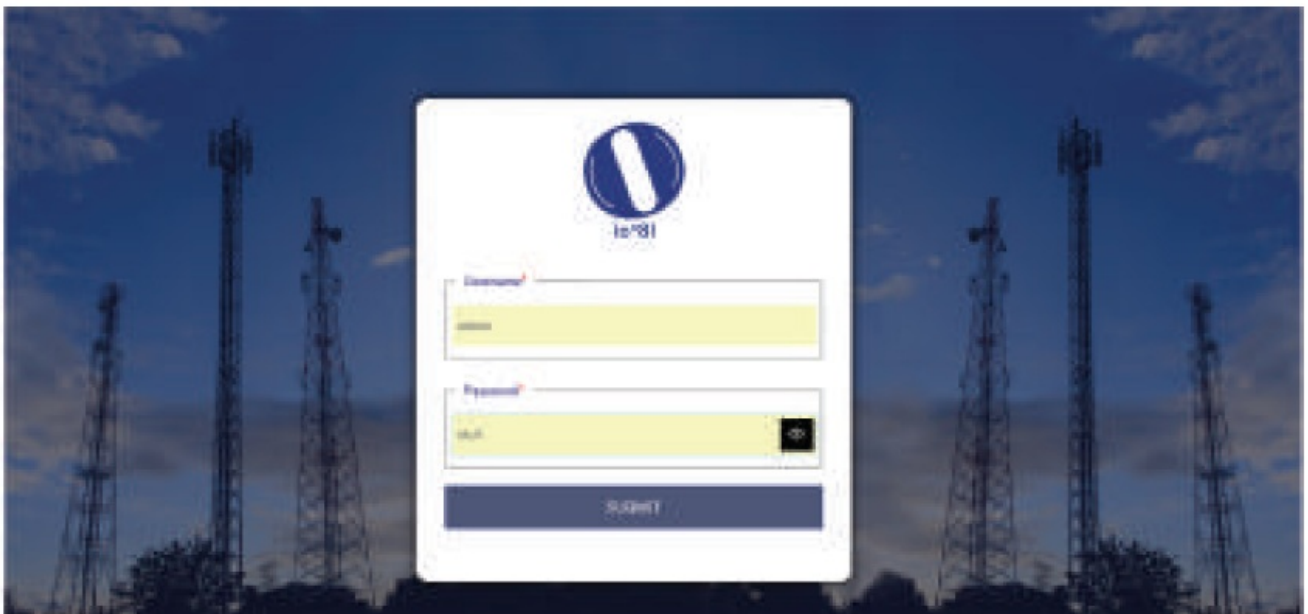
## **Step 2: Login and Configure the CPE**

Follow the steps mentioned below and connect CPE to a network :

1. Connect ethernet cable to the laptop/ computer.
2. Connect the other end of ethernet cable to the data port on PoE Injector.
3. Connect CPE's PoE supported ethernet port to PoE Injector power port. Device will get powered up.



4. Open web browser and enter "CPE IP address" in the address bar. The default static IP address for 2×2 CPE is set to "192.168.1.1".
5. A login screen will appear.
6. Enter the default login credential details: User- admin, Password- HFcl!@23#ion



7. Refer our user manual on our website [io.hfcl.com](http://io.hfcl.com) for detailed information to configure CPE

## Safety Precautions

Observe following safety precautions to avoid damage to the ion4l2\_CPE :

- Do not power the device during installation
- Do not subject the device to high temperatures
- Keep away from high voltage cables
- Do not power off the unit in the middle of an \v upgrade process
- The gland should be ground facing all the time

- Do not open the enclosure when the CPE is working
- Fasten the device tightly

Contact Us:

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[www.io.hfcl.com](http://www.io.hfcl.com)

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## Documents / Resources



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Manuals+.