



Quick Setup Guide

Model: QN-H-220

High Performance 802.11ac (2x2) Wave 2 Indoor(Room) Access Point



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Contents

Before You Begin.....	4
Package Contents.....	4
Set up Requirements	4
Connect AP	4
Step 1- Access Point Initial Configuration.....	5
Step 2- Access Point quick configuration in Standalone mode	6
Step 3- Access Point quick configuration in Cloud Controller mode	6
Step 4 – Account setup on Quantum Rudder (Quantum Networks™ Cloud Controller).....	7
Step 5 – How to Factory Reset AP	8
Access Point Default login detail	8
FCC Statement:	9



This Quick Setup Guide provides step-by-step instructions on how to set up Quantum Networks™ Access Point. After completing the steps described in this Guide, you will be able to install the Access Point (AP) on site and provide wireless network access to users.

Before You Begin

Your Quantum Networks™ Access Point can be managed by "QUANTUM RUDDER" (Quantum Networks™ Cloud Controller) or can work in "Standalone" Mode.

To manage Access Point from "QUANTUM RUDDER", please follow step 4 first then step 1 ahead. For Standalone mode, continue with step 1 ahead.

Package Contents

- Quantum Networks™ Access Point
- Access Point Quick Setup Guide
- Mounting Bracket
- Screws Set

Set up Requirements

- A Desktop / Laptop / Mobile device.
- Ethernet cable.
- Internet connectivity.
- AC adapter (Purchase separately) or 802.3af / 802.3at compliant PoE switch (power over ethernet) or PoE injector.

Connect AP

- After unpacking AP from package, connect it to Internet source.
- Plug in Ethernet cable to WAN port of AP.
- Power on AP by connecting AC adapter or 802.3af / 802.3at compliant PoE switch.

Note : Access point must have internet access during initial setup for the first time for activation of the device, warranty and support.



Step 1- Access Point Initial Configuration

- Provide internet access to WAN port of the Access Point.
- Access point default SSID **QN_XX: XX** will broadcast. (Where XX: XX are last four digits of Access Point MAC Address).
- Connect QN_XX: XX SSID and browse access point default IP 169.254.1.1. Below screen appears.

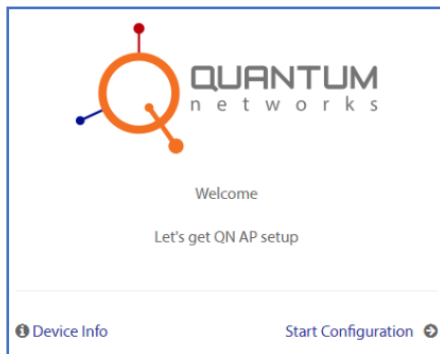


Figure 1

- Click on **Start Configuration** (Figure1).
- Do IPv4 setup by selecting required option **DHCP, Static or PPPoE** and click on **Next**. (Figure2).
- On successful IP setup, **Management Mode** setup screen would (Figure3) appear. Set user name and password of your choice.

The image shows the 'Device IP Address' configuration screen. It features the Quantum Networks logo at the top. Below the logo is a gear icon and the text 'Device IP Address'. There are three radio button options: 'DHCP' (selected), 'Static', and 'PPPoE'. Below these are several input fields: 'WAN Port' (a dropdown menu showing 'eth0'), 'IP' (a text box with '192.168.2.189'), 'Subnet' (a text box with '255.255.254.0'), 'Gateway' (a text box with '192.168.2.1'), 'Primary DNS' (a text box with '192.168.2.4'), and 'Secondary DNS' (an empty text box). At the bottom, there are 'Prev' and 'Next' buttons with circular arrows.

Figure 2

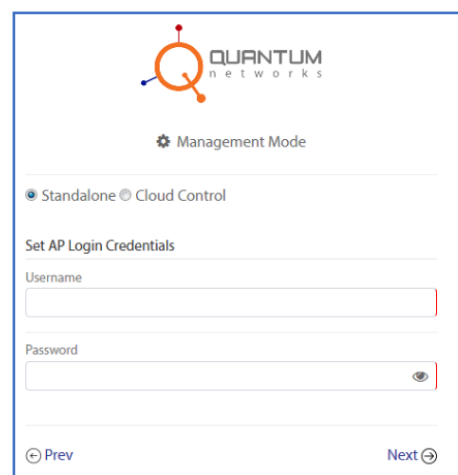
The image shows the 'Management Mode' configuration screen. It features the Quantum Networks logo at the top. Below the logo is a gear icon and the text 'Management Mode'. There are two radio button options: 'Standalone' (selected) and 'Cloud Control'. Below these is a section titled 'Set AP Login Credentials' with two input fields: 'Username' and 'Password'. The 'Password' field has an eye icon to its right. At the bottom, there are 'Prev' and 'Next' buttons with circular arrows.

Figure 3



Quantum Networks™ Access Point can be configured in two modes.

- Standalone Mode (Independent management of each Access point) (please go to step 2)
- Cloud Controller mode (Centralized management of Access Points using Quantum Network cloud) (please go to step 3)

Step 2- Access Point quick configuration in Standalone mode

- Select **Management Mode** as Standalone and click on **Next**.
- Admin can select AP operation mode as **Bridge** or **Router**.
 - **Bridge** (In this mode, device connects to a wired or wireless router via an Ethernet cable)
 - **Router (Gateway)** (In this mode, device connects to the internet directly and shares internet access to multiple wired and wireless devices.
 - For **Operation Mode - Bridge**, select option and follow below procedure.
 - Configure **WLAN (SSID)** parameters and click on **Next**.
 - **Configuration Summary** screen will appear. Click on **Reconfigure** if any changes required or click on **Finish** to complete the quick configuration.
 - For **Operation Mode - Router**, select option and follow below procedure.
 - Configure **WLAN (SSID)** and **Local subnet** parameters and click on **Next**.
 - **Configuration Summary** screen will appear. Click on **Reconfigure** if any changes required or click on **Finish** to complete the quick configuration.

Step 3- Access Point quick configuration in Cloud Controller mode

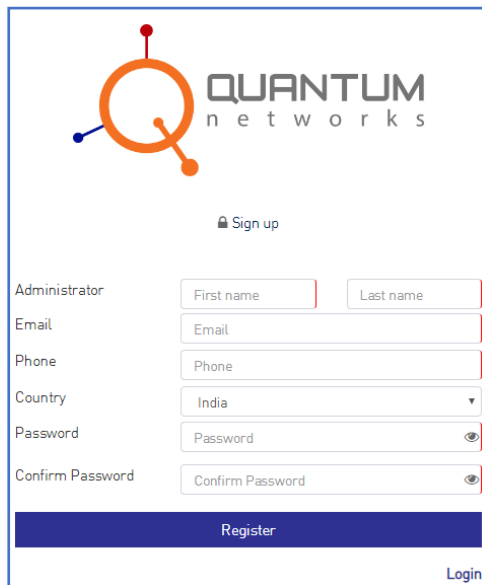
- Select **Management Mode** as **Cloud Controller**.
- Enter Cloud controller account credentials (If yet you have not created account on QN cloud, please refer Step 4). Click on **Next**.
- Admin can select AP operation mode as **Bridge** or **Router**. Select mode and click on **Next**.
 - For **Operation Mode - Bridge**, select option and follow below procedure.
 - By selecting option **Bridge**, **Configuration Summary** screen will appear. Click on **Reconfigure** if any changes required or click on **Finish** to complete the quick configuration.
 - For **Operation Mode - Router**, select option and follow below procedure.
 - Configure **WLAN (SSID)** and **Local subnet** parameters and click on **Next**.
 - **Configuration Summary** screen will appear. Click on **Reconfigure** if any changes required or click on **Finish** to complete the quick configuration.

Note : If you do not want to create **WLAN (SSID)/LAN** now, click on **Skip** option. It will redirect to **Configuration Summary**.



Step 4 – Account setup on Quantum Rudder (Quantum Networks™ Cloud Controller)

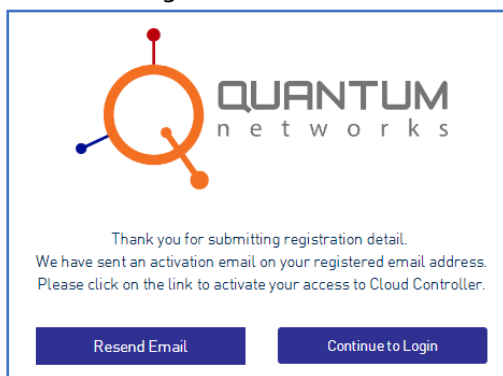
- Browse <https://cc.qntmnet.com>.
- Click on “Create New Account” to sign up a new account.



The registration form for Quantum Networks Cloud Controller. It features the Quantum Networks logo at the top, a 'Sign up' link, and a 'Register' button. The form fields include: Administrator (First name, Last name), Email, Phone, Country (dropdown menu showing India), Password, and Confirm Password. A 'Login' link is located at the bottom right.

Figure 4

- Follow the steps as guided on screen for Registration.
- Successful registration will show below message.



The registration success message screen. It features the Quantum Networks logo at the top, a 'Thank you for submitting registration detail.' message, and a 'Continue to Login' button. The message states: 'We have sent an activation email on your registered email address. Please click on the link to activate your access to Cloud Controller.' There is also a 'Resend Email' button.

Figure 5

- Verify QN account from registered email id.
- Your Account on Quantum Rudder (QNTM Cloud Controller) is now ready to use.



Step 5 – How to Factory Reset AP

- Power on the AP
- Push the reset button provided on side panel and hold it for 10 seconds.
- AP will reset to factory setup. (It will wipe entire AP configuration and store it to factory default setup / Cloud configuration will remain same.)

Access Point Default login detail

User Name: Quantum

Password: Auto Generated

Password will be sent to registered email on Cloud Controller.

If you encounter problems when installing or using this product, please consult our website www.qntmnet.com for:

- Direct contact to the Quantum Networks™ support center.
- Frequently Asked Questions (FAQ)
- Download area for the latest software, user documentation and product updates.



FCC Statement:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Consult the dealer or an experienced radio/TV technician for help important announcement
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important Note:

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



Word of Thanks

First of all, thank you for going through the document. We hope, this would have addressed most of your queries. However, we are open for your feedback, suggestions, and feature requests to make this platform more robust to address any vertical, Education, SOHO, Hot-Spots, NGOs, Healthcare, Budget Hotels, Hostels and so on. Feel free to contact us directly on below addresses. Thanking you again!

Team Quantum Networks™ (SG) Pte. Ltd.

Contact us:

Sales Team: sales@qntmnet.com
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Feature Request: cs@qntmnet.com

Resources:

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We strictly follow Anti-Spam policy. None of your personal contacts would be shared with anyone at any moment, we very well assure you. Let's get associated; there is lot more to do. Let us know if we together can achieve anything new!

