



QUANTUM[®]
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Quick Setup Guide

Model: QN-SW225



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This Quick Setup Guide provides step-by-step instructions on how to set up Quantum Networks Switch. After completing the steps described in this Guide, you will be able to install the Switch on site.

Glossary

Feature	Description
Quantum RUDDER©	Quantum RUDDER© is a cloud-hosted controller which can be used to configure, manage & monitor devices associated with it. It can be accessed from https://rudder.qntmnet.com


Before you begin

User must have RUDDER Account.

Package contents

- Switch
- Mounting accessories
- Power cable

Icon description

Icon on GUI	Description
	Click to check device information.



Step 1 - Basic setup

- Assign 169.254.1.20 (or any IP address of 169.254.1.X series except Switch default IP: 169.254.1.2) static IP address to the Desktop/Laptop device LAN port.
- Connect Switch OOB port with the device LAN port.
- Open the browser and browse Switch default IP “169.254.1.2”.
- You will be on the configuration page.

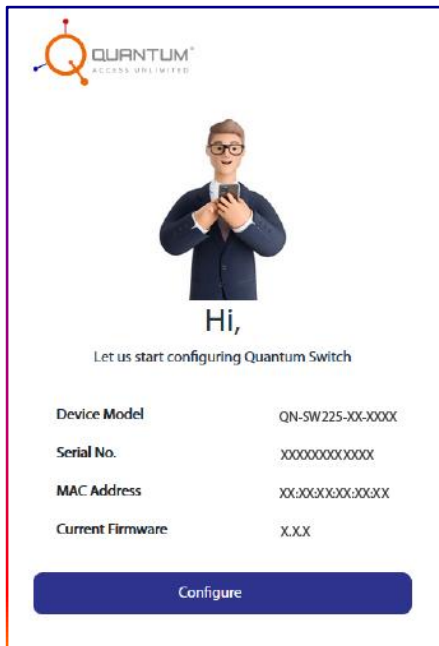


Figure 1

Let's start the configuration.

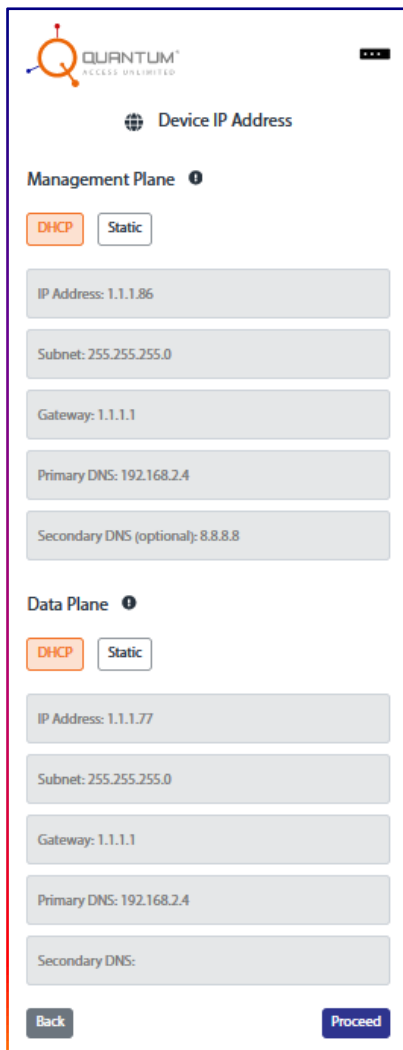
On the configuration start page, it will display,

- Device model number
- Serial number
- MAC address
- Current firmware

Click “**Configure**” and turn to the next page.



Step 2 - Setting up device IP address



The screenshot shows the 'Device IP Address' configuration screen in the Quantum Rudder interface. It is divided into two main sections: 'Management Plane' and 'Data Plane'. Each section has a radio button to select between 'DHCP' and 'Static' modes. Below each mode selection are five input fields for IP Address, Subnet, Gateway, Primary DNS, and Secondary DNS. The Management Plane fields are pre-filled with values: IP Address: 1.1.1.86, Subnet: 255.255.255.0, Gateway: 1.1.1.1, Primary DNS: 192.168.2.4, and Secondary DNS (optional): 8.8.8.8. The Data Plane fields are pre-filled with: IP Address: 1.1.1.77, Subnet: 255.255.255.0, Gateway: 1.1.1.1, Primary DNS: 192.168.2.4, and Secondary DNS: (empty). At the bottom, there are 'Back' and 'Proceed' buttons.

Figure 2

Management Plane

- Select mode DHCP or Static.
- Assign IP address of the live network, with which Switch will communicate with RUDDER.

Note: Management Plane IP will communicate with Quantum RUDDER (cloud controller).

Data Plane

- Select mode DHCP or Static.
- Assign Local IP address to the Switch.

Note: Data Plane IP will communicate with Intra-network only.

Click **“Proceed”** and turn to the next page.



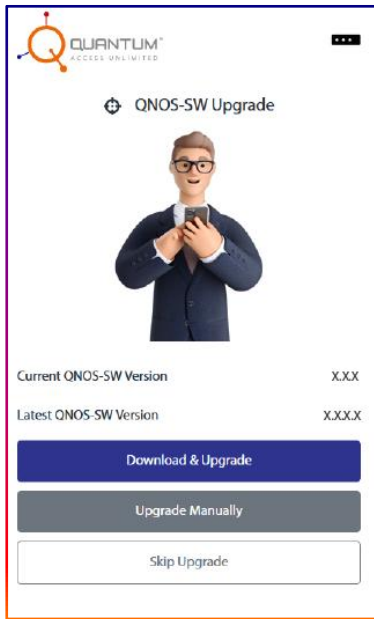


Figure 3

- Upgrade QNOS-SW version by either downloading from the cloud or by selecting manually from respective location and upgrade or click “**Skip Upgrade**” to move further.

Step 3 – Set Switch management credentials

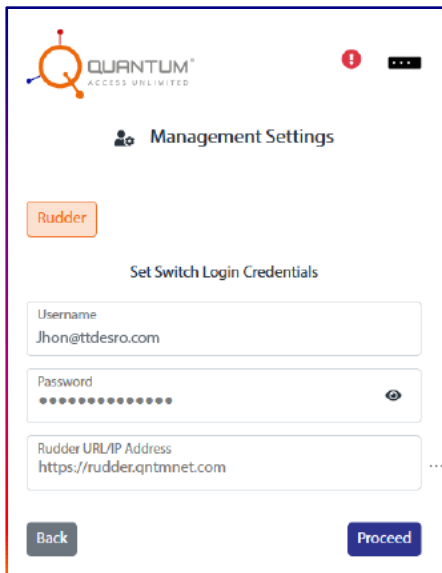


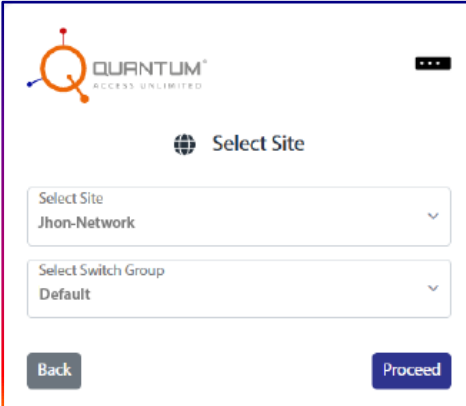
Figure 4

In case of RUDDER is on-premise, here mention the local server IP Address/URL assigned to RUDDER.

- Set Switch administrator login credentials.
- Click “**Proceed**” and turn to the next page.



Step 4 – Assign site and group



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Select Site

Select Site
Jhon-Network

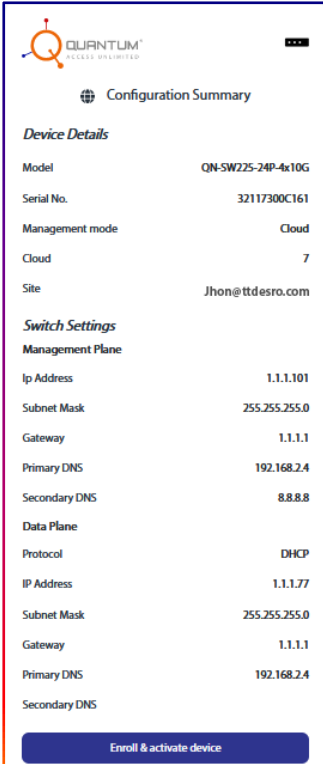
Select Switch Group
Default

Back Proceed

Figure 5

- Assign “Site” and “Group” to the Switch.
Note: If any Site/Group already defined in RUDDER, admin can select option from the dropdown accordingly or it will take default Site/Group.

Click “**Proceed**” and turn to the next page.



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Configuration Summary

Device Details

Model	QN-SW225-24P-4x10G
Serial No.	32117300C161
Management mode	Cloud
Cloud	7
Site	Jhon@ttdesro.com

Switch Settings

Management Plane

Ip Address	1.1.1.101
Subnet Mask	255.255.255.0
Gateway	1.1.1.1
Primary DNS	192.168.2.4
Secondary DNS	8.8.8.8

Data Plane

Protocol	DHCP
IP Address	1.1.1.77
Subnet Mask	255.255.255.0
Gateway	1.1.1.1
Primary DNS	192.168.2.4
Secondary DNS	

Enroll & activate device

Figure 6

- Review the Configuration Summary. Click “**Enroll & activate device**”.



- The success page will appear.

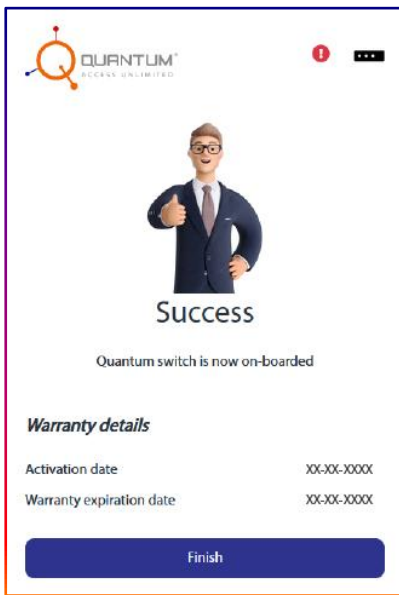


Figure 7

Click “**Finish**” to complete the configuration.

Reset Switch to factory default

- Power on the Switch.
- Push the reset button on the back panel and hold it for 15 to 20 seconds.
- Switch would restart with factory defaults

Support detail

If you encounter problems while installing or using this product, please browse www.qntmnet.com for:

- Direct contact with the support center.
 - Contact: 18001231163
 - Email: support@qntmnet.com
- Frequently Asked Questions (FAQ).
- Download area for the latest software, user documentation and product updates.

