Quick Setup Guide

Model: Quantum Switches
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www.qntmnet.com
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**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantum RUDDER©</td>
<td>Quantum RUDDER© is a cloud-hosted controller which can be used to configure, manage &amp; monitor devices associated with it. It can be accessed from</td>
</tr>
<tr>
<td></td>
<td><a href="https://rudder.qntmnet.com">https://rudder.qntmnet.com</a></td>
</tr>
</tbody>
</table>

**Before you begin**
User must have RUDDER Account.

**Package contents**
- Switch
- Mounting accessories
- Power cable

**Icon description**

<table>
<thead>
<tr>
<th>Icon on GUI</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td>Click to check device information.</td>
</tr>
</tbody>
</table>
Pre-Configuration

- Get the IP address to access switch configuration page with any of below two methods.
  - Using Failover IP
  - Using Network IP

Quick Setup using Failover IP

- The default failover IP is 169.254.x.x, where 169.254 is constant & Last 2 Digits are based on MAC address of switch.
- To Get the IP Address, first note the MAC address of the switch.
- Convert the last 4 Hex digit of switch MAC address into Decimal using Hex to Decimal converter.
  
    - (Can use any Hex to Decimal converter like “https://www.rapidtables.com/convert/number/hex-to-binary.html”).
    - For an example, the MAC address of switch is 58:61:63:00:C5:E1, where last four digits are “C5:E1”. Now convert C5 and E1 to Decimal. C5 Decimal value will come as “197” and value of E1 will come as “225”. As per this the switch fail over IP will come as 169.254.197.225.

- Now, Assign 169.254.1.20 (or any IP address of 169.254.x.x series except Switch’s failover IP) static IP address to the Desktop/Laptop device LAN port.
- Open the browser and browse Switch’s Failover IP.
- You will be on the configuration page.

Quick Setup using Network IP

- Connect switch in the network where switch can have its IP address (Having Static IP or will take with DHCP mode).
- Open the browser and browse Switch IP.
- You will be on the configuration page.
Step 1 - Basic setup

Let’s start the configuration.

![Configuration Start Page](image)

Figure 1

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

Data Plane

- Select mode DHCP or Static.
- Assign Local IP address to the Switch.
- Select Management VLAN tag.
- If the checkbox checked, VLAN will be tagged otherwise it will be untagged.

Click “Proceed” and turn to the next page.
Step 3 – Set Switch management credentials

Figure 3

- Set Switch administrator login credentials.

Click "Proceed" and turn to the next page.

Figure 4

- 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.

In case of RUDDER is on-premise, here mention the local server IP Address/URL assigned to RUDDER.
Step 4 – Assign site and group

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.

Figure 6

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

www.qntmnet.com
• The success page will appear.

![Success Page](image)

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](http://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.