

QUANTUM NETWORKS QN-RR-200 Premise Hardware Controller



# QUANTUM NETWORKS QN-RR-200 Premise Hardware Controller User Guide

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## QUANTUM NETWORKS QN-RR-200 Premise Hardware Controller



### Product Information

## Specifications

- Power Supply:
  - QN-RR-200: 12 V DC, 3.34 A
  - QN-RR-300: 12 V DC, 5 A
  - QN-RR-400: 12 V DC, 25 A

## Product Usage Instructions

### Set-Up Instructions

1. Install a Hardware controller in your network and connect it to the WAN port to provide Internet access.
2. Connect port number 6/8 of the controller to a PC or laptop device using a direct one-to-one connection.
3. Provide the following static IP details to the device:
  - IP Address: 192.168.168.5
  - Subnet: 255.255.255.0
  - Default Gateway: 192.168.168.1
4. Go to SSH and provide the following details:
  - Host IP address: 192.168.168.1
  - Port: 2232
5. Use the following credentials to log in:
  - User ID: netadmin
  - Password: netadmin@123
6. Retrieve the IP address details obtained from the network using the command 'ip r' on the controller.
7. Access the quick setup login page for the controller by navigating to the obtained IP address using a web browser.

### Configuration Steps

1. Select country and time zone on the General Setting page.
2. Enter IP address, Subnet, Gateway IP, Primary DNS, and Secondary DNS details on the IP Setup page.
3. Set login credentials on the Administrator Setting page.
4. Read and accept the Terms & Conditions.
5. Review configuration details on the Configuration Summary page and click Finish to complete setup.

## Frequently Asked Questions

- **Q: How do I access the controller page after configuration?**
  - A: Navigate to the IP address provided during setup (e.g., 10.1.1.154) to access the RUDDER login page and enter your credentials.
- **Q: What should I do if I encounter issues during setup?**
  - A: Check your network connections and ensure that all IP details are correctly configured. If problems persist, refer to the user manual or contact customer support for assistance.

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## PREREQUISITES

Specification	Hardware		
	QN-RR-200	QN-RR-300	QN-RR-400
Power Supply	12 V DC, 3.34 A	12 V DC, 5 A	12 V DC, 25 A

## SET-UP INSTRUCTIONS

- Install a Hardware controller in your network and connect it to the WAN port to provide Internet access.
- Connect port number 6/8 of the controller to a PC or laptop device using a direct one-to-one connection.
- Provide the following static IP details to the device.
  - IP Address: 192.168.168.5
  - Subnet: 255.255.255.0
  - Default Gateway: 192.168.168.1

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 168 . 5

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 168 . 1

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: . . .

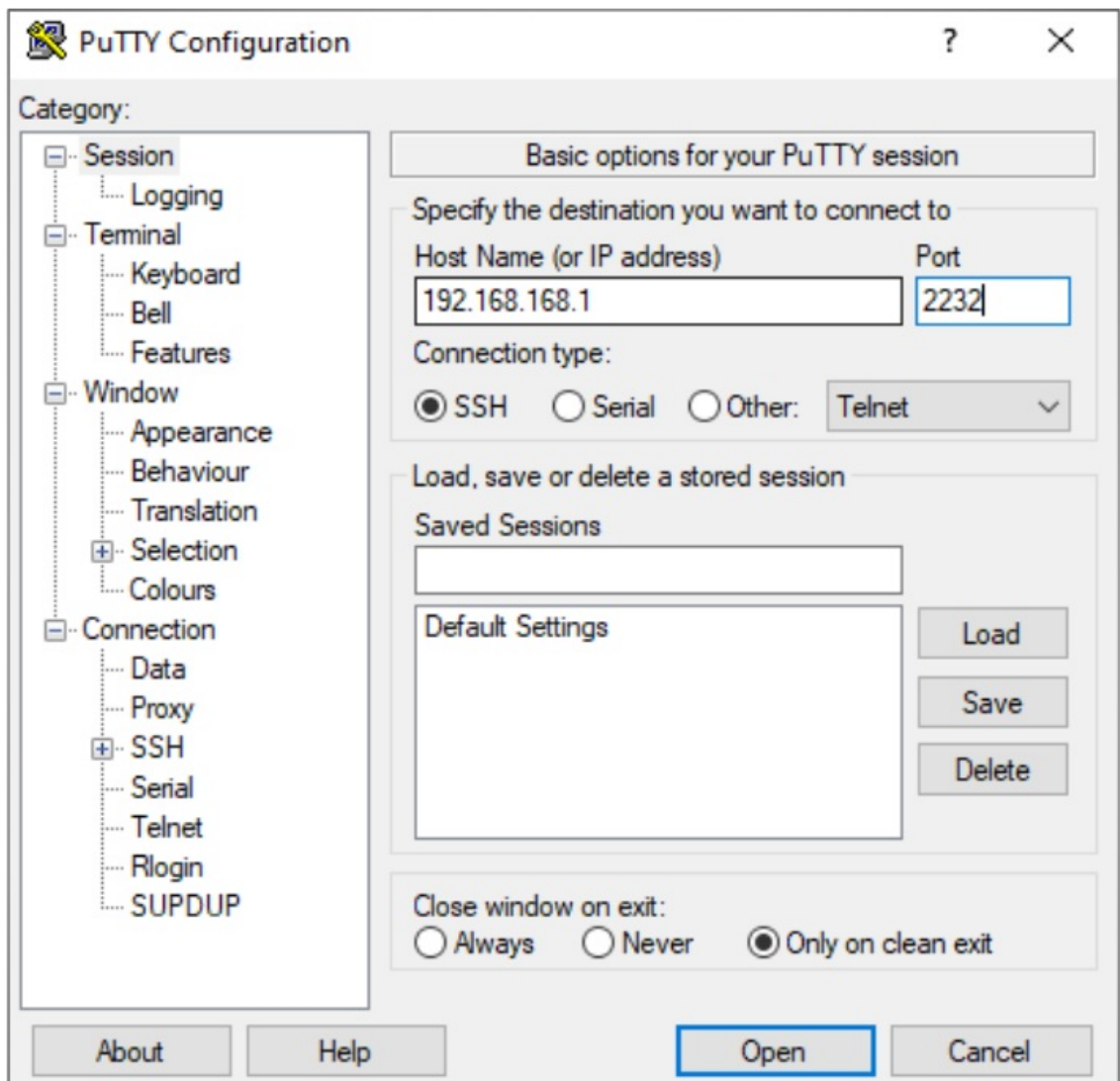
Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

- Go to SSH and provide the following details.
  - Host IP address: 192.168.168.1
  - Port: 2232



- Now, use the following credentials to log in:
  - User ID: netadmin
  - Password: netadmin@123



- By using command “ip r” on the controller, you can retrieve the IP address details obtained from the network.

```

login as: netadmin
Pre-authentication banner message from server:
| Ubuntu 20.04.6 LTS
| End of banner message from server
netadmin@10.1.1.154's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.4.0-131-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

System information as of Fri 24 May 2024 07:39:46 AM UTC

System load:  0.1               Processes:    286
Usage of /home: 5.5% of 19.3GB   Users logged in: 1
Memory usage:  43%             IPv6 address for br0: 10.1.1.154
Swap usage:    0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

22 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

14 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Fri May 24 07:39:34 2024 from 192.168.7.220
netadmin@qemu-net:~$ ip r
default via 10.1.1.1 dev br0 proto dhcp metric 425
10.1.1.0/24 dev br0 proto kernel scope link src 10.1.1.154 metric 425
netadmin@qemu-net:~$

```

For example, the controller has used IP 10.1.1.154.

You can use a web browser to navigate this IP address to access the quick setup login page for the controller.

## Device Information

Device Model	QEMU 1000
Serial No.	1234567890123
MAC Address	08:00:27:BF:4E:F3
Firmware Version	1.5.1

**Start Configuration**

The page displays Device Information, including Device Model, Serial Number, MAC address, and Firmware Version. Click on “Start Configuration” to proceed with the configuration process.

You will be taken to the “General Setting” page.

## General Setting

Country

India

Timezone

Asia/Kolkata(GMT+5:30)

Back

Proceed

Here, you can select your country and time zone. The default is India. Select the Kolkata time zone, click on “Proceed” to proceed further.

## IP Setup

IP Address

192.168.10.11

Subnet

255.255.255.0 (/24)

Gateway

192.168.10.1

Primary DNS

192.168.10.1

Secondary DNS

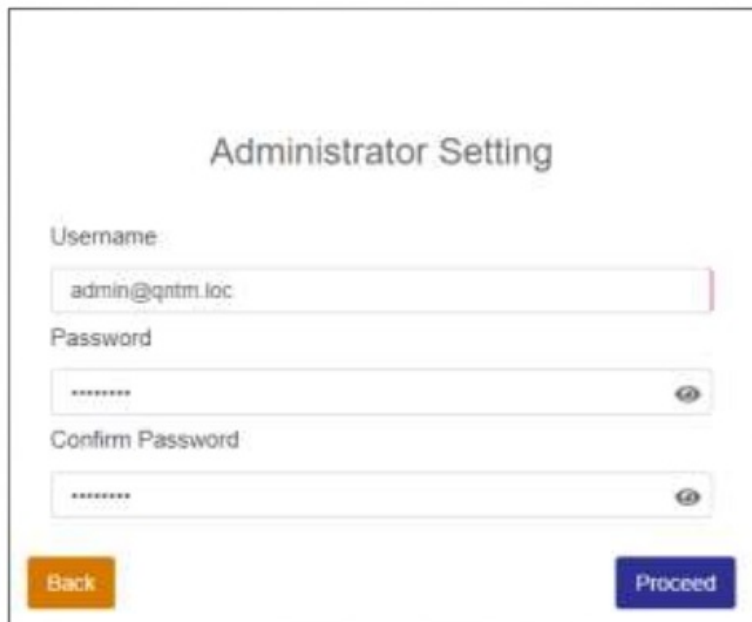
8.8.8.8

Back

Proceed

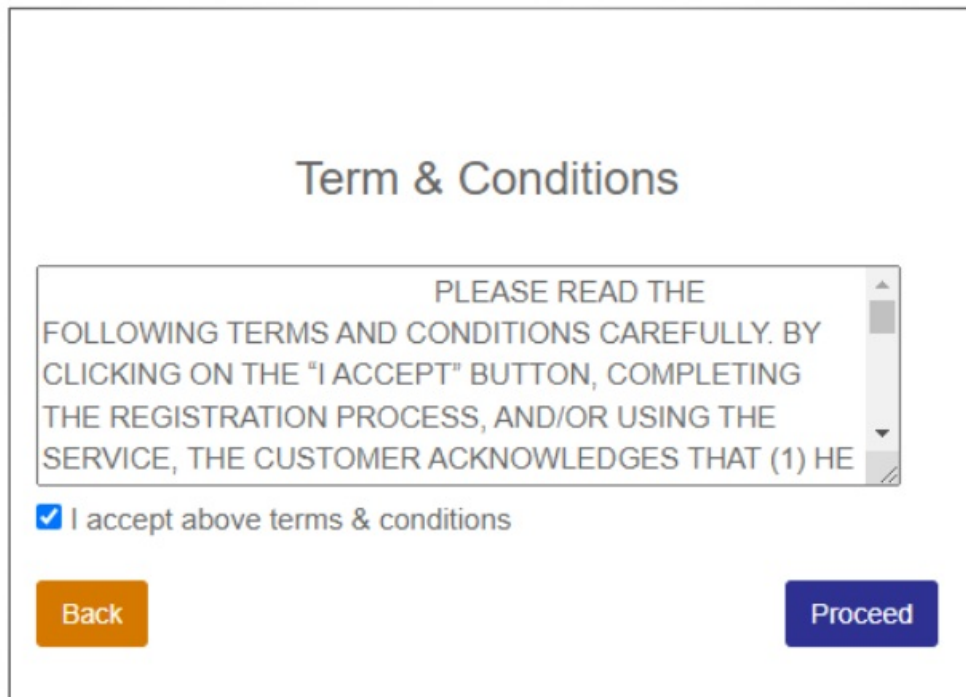
It will bring up the “IP Setup” page. Enter the IP address, Subnet, Gateway IP, Primary DNS and Secondary DNS details in the respective fields as per your network setup. Click on “Proceed” once done

You will be moved to the “Administrator Setting” page, where you can set your login credentials



The image shows a web form titled "Administrator Setting". It contains three input fields: "Username" with the text "admin@qntm.loc", "Password" with masked characters, and "Confirm Password" also with masked characters. Each password field has a small icon to its right. At the bottom, there are two buttons: an orange "Back" button on the left and a blue "Proceed" button on the right.

Enter the Username and Password in the respective fields and re-enter your password in the “Confirm Password” field. Click “Proceed” to continue.



The image shows a web form titled "Term & Conditions". It features a large text area with the following text: "PLEASE READ THE FOLLOWING TERMS AND CONDITIONS CAREFULLY. BY CLICKING ON THE 'I ACCEPT' BUTTON, COMPLETING THE REGISTRATION PROCESS, AND/OR USING THE SERVICE, THE CUSTOMER ACKNOWLEDGES THAT (1) HE". Below this text area is a checkbox labeled "I accept above terms & conditions", which is currently checked. At the bottom, there are two buttons: an orange "Back" button on the left and a blue "Proceed" button on the right.

You'll be directed to the “Terms & Conditions” page. Please read the terms and conditions carefully. Once done, check the “I accept above terms & conditions” field and click “Proceed” to continue.



Configuration Summary	
Device Model	QNA-RV-1000
Serial No.	1211728F-4673
MAC Address	08:00:27:BF:46:73
Firmware Version	v2.1.1.1
IP Address	192.168.10.11
Subnet	255.255.255.0/24
Gateway	192.168.10.1
Primary DNS	192.168.10.1
Secondary DNS	8.8.8.8
<div>Reconfigure</div> <div>Finish</div>	

The final step brings you to the “Configuration Summary” page, where the overall configuration details are displayed.

- To complete the configuration, click on “Finish”.
- To reconfigure, click on “Reconfigure”.
- Navigate to the IP address “10.1.1.154” to access the RUDDER login page. Enter your credentials in the appropriate fields to open the controller page

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**RUDDER**<sup>®</sup>

Network and Services Controller


Controller Login

Username

Next

- [www.qntmnet.com](http://www.qntmnet.com)

## Documents / Resources

	<p><a href="#">QUANTUM NETWORKS QN-RR-200 Premise Hardware Controller</a> [pdf] User Guide QN-RR-200, QN-RR-300, QN-RR-400, QN-RR-200 Premise Hardware Controller, QN-RR-200, Premise Hardware Controller, Hardware Controller, Controller</p>
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## References

- [User Manual](#)

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