

Rescue Firmware Upgrade

Model: QN-I-200

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Prerequisites

Minimum requirements to upload Rescue Firmware in Access Point:

1. Rescue Firmware file (.bin) which needs to be upgrade.
2. Access Point in which firmware needs to be upgraded along with PoE unit.
3. Desktop or Laptop (herein after, referred both as Computer) (Considering Windows® OS)
4. TFTP server utility installed on Computer.
5. RJ45 Patch Cords * 2 Nos. (Straight Type).

Download Links

To important files:

Download Rescue and Latest Stable Firmware from below link,

www.gntmnet.com/resource-library/#firmware

Note: From above link, open website and download Rescue firmware from Download option. To unzip **fwupdate.bin** required password is **qntm@123**

Download link for TFTP Utility

Note: Download the latest version.

Rescue Firmware Upgrade Procedure

Follow below pre upgrade steps first:

- Download **tftp32d** Utility for windows. It's free and can easily be downloading from internet using above link. Copy the downloaded file fwupdate.bin to C:\TFTP-Root\
(There will be a folder named "TFTP-Root" inside the C Drive) (**Note:** The firmware file named with **fwupdate.bin** is only a valid Rescue Upgrade file. If you have a firmware file with a different name, please contact our support team per contacts page.)
- Disable all other network interfaces of your Computer except Ethernet (RJ45) and set IP **192.168.2.254**& Subnet **255.255.255.0** on Ethernet (RJ45) interface.
- Disable Windows® Firewall or provide exception in firewall rules to bypass port number 69 (TCP&UDP). It is mandatory to perform firewall configuration before firmware up gradation through TFTP.

Setting Up Device as TFTP Server

- Run **tftpd32** utility and do set up as displays in below screen.
 - Click browse and select the folder where you downloaded **fwupdate.bin**
 - Select Server Interface to Ethernet where **192.168.2.254** is defined

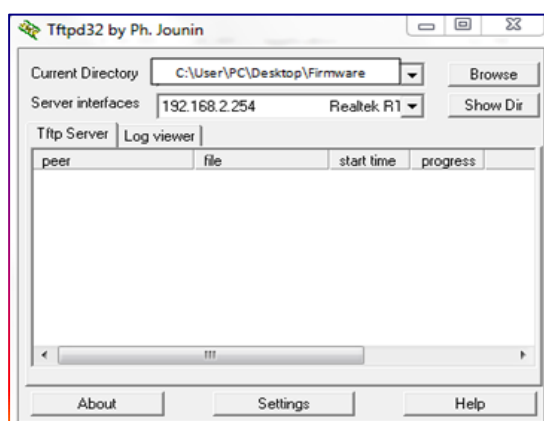


Figure 1

- Click on **settings** and under Global, select TFTP Server only. Uncheck all others.

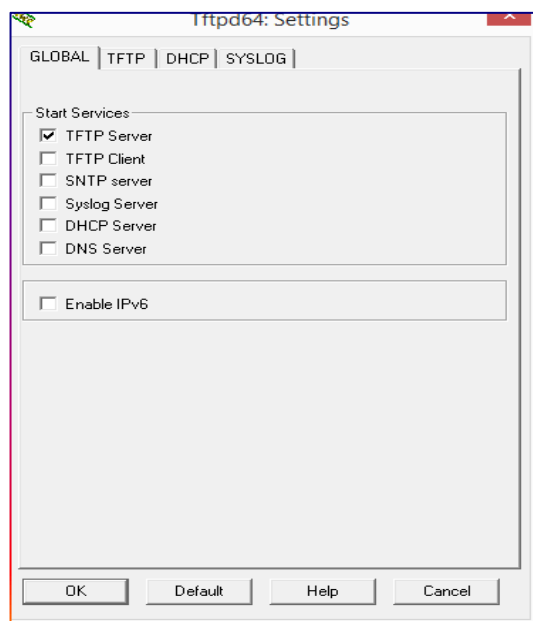


Figure 2

- Click **TFTP** and validate **fwupdate.bin** directory and other parameters as below. Click Ok.

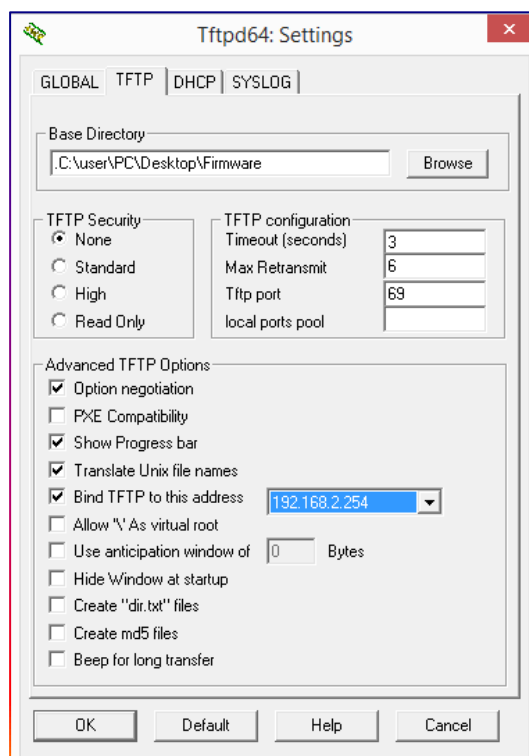


Figure 3

- Power on the Access Point via PoE Unit (ETH₀+PoE In Port).
- Connect Access point (ETH₁ Port) directly with your Computer Ethernet (RJ45) Port.
- Plug in and plug out PoE cable from Access point in every 5 second interval till all Access Point LED starts flickering together. (Approximately after 2-3 attempts, all front LED on Access Point will start flickering together).
- Firmware will start to be uploaded to Access Point once all Front LED start to flicker. While firmware upgrading is in progress, all the LED's on Access Point will turn continuously in either in **ON** or in **OFF** position.
- Once Firmware up gradation starts, it will show logs and up gradation process as displays in below:

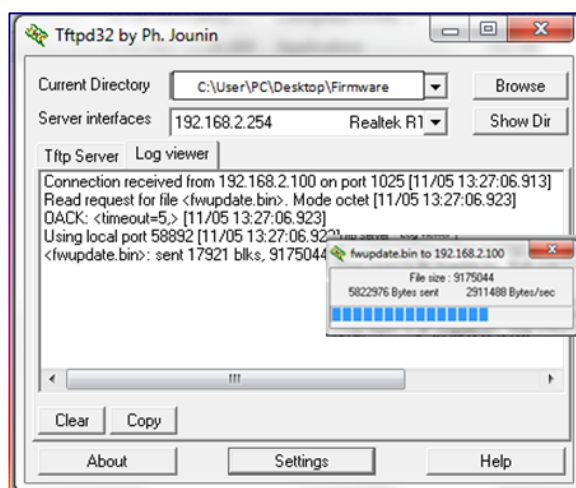


Figure 4

- If the application is not showing progress bar, pay attention to the LEDs of the AP:
 - Once the firmware upgradation starts, the LEDs currently blinking will stop to blink and power LED will be turned on when the firmware upgrade is in progress.
 - Once the upgradation done, all the LEDs will be turned off and will on again.
- Once done, now Access point has Rescue Firmware uploaded. Access Point would reboot and would boot normally with Rescue Firmware.

Firmware Upgrade to stable version

- Change Computer Ethernet (RJ45) port setting from static IP: 192.168.2.254 to static IP: 169.254.1.254.
- Open a browser in Computer and browse for Access Point's default IP **169.254.1.1**. You should be able to see below screen:

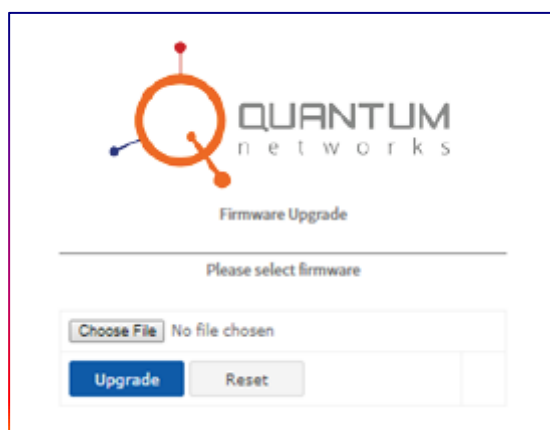


Figure 5

- Click Choose file and select the latest firmware (.qntm) downloaded earlier at Desktop/Firmware folder.

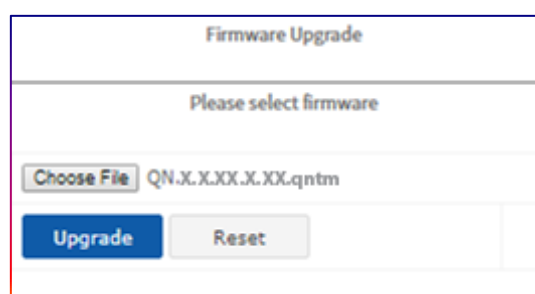


Figure 6

- Click Upgrade to start up gradation to latest stable version. Wait till up gradation completes:

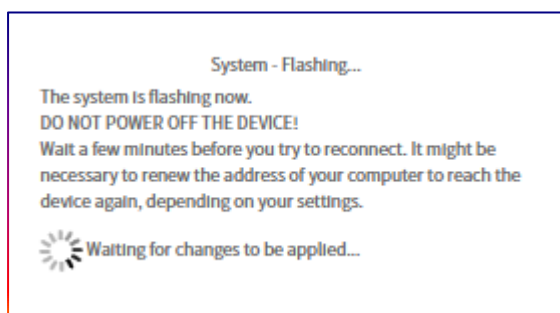


Figure 7

- Once firmware up gradation is completed, Access point would reboot with stable version recently uploaded. Open browser, to access **169.254.1.1** to start configuration.



Figure 8

Still, if you face any issue, contact our support team: support@qntmnet.com