

Rescue Firmware Upgrade

Model: QN-I-220

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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.qntmnet.com/resource-library/#firmware

Note: From above link, open website and download Rescue firmware from Download option. Unzip the folder. To unzip i220_rescue.zip 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. (Note: The firmware file named with i220_rescue.zip 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 **192.168.0.141** & Subnet **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 **i220_rescue** from unzip folder.
 - Select Server Interface to Ethernet where 192.168.0.141 is defined



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

GLOBAL TFTP DHCP SYSLOG DNS		
Start Services TFTP Server TFTP Client SNTP server Syslog Server DHCP Server DNS Server		
Enable IPv6		
OK Default Help Cancel		
Figure 2		

• Click **TFTP** and validate **i220_rescue** directory and other parameters as below. Click Ok.

🏘 Tftpd64: Settings		×		
GLOBAL TETP DHC) SYSLOG DNS			
I				
Base Directory				
C:\Users\Admin\Deskto	pp\tftpd Brov	vse		
	TFTP configuration			
None	Timeout (seconds) 3	- 11		
C Standard	Max Retransmit 6			
C High	Títp port 69			
C Read Only	local ports pool			
Advanced TFTP Options				
Option negotiation				
🔲 PXE Compatibility				
Show Progress bar				
🔽 Translate Unix file na	mes			
Bind TFTP to this ad	dress 192.168.0.141 💌			
Allow "\'As virtual roo	ot			
Use anticipation wind	dow of 0 Bytes			
Hide Window at start	up			
Create "dir.txt" riles				
Create mos riles Beep for long transfe	r			
E Beduce '//' in file pe	i Ha			
OK Defa	ault Help Can	cel		

Figure 3



- Power on the Access Point. While power on the Access point, press the reset button and hold it for 6 seconds. After that period release the reset button.
- Wait for 2 minutes.
- Firmware up gradation starts than, it will show logs and up gradation process as displays in below:

Cabilina signal and the second	108.0.144	~ •		•		Browse
File siz	e: 51200	* PCI	le GbE Family C	Controller 🖉 💌		Show Dir
o bytes sent	o bytes/sec	ver	Log viewer			
		time	progress	bytes	total	timeo
192.168.0.144:1607	<ap152-#s2<< td=""><td>18.22.37</td><td>31%</td><td>4046336</td><td>12713984</td><td>0</td></ap152-#s2<<>	18.22.37	31%	4046336	12713984	0
🏘 ap152-jffs2 to 192.	168.0.144	×				
e ap152-jffs2 to 192. File size	168.0.144 : 12713984 2023158 Butes	×				
ep152-jffs2 to 192. File size 4046336 Bytes sent	168.0.144 : 12713984 2023168 Bytes	× /sec				
 ap152-jffs2 to 192. File size 4046336 Bytes sent 	168.0.144 12713984 2023168 Bytes	× /sec				



• 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 to DHCP. 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.

	Firmware Upgrade	
	Please select firmware	
Choose File Q!	I.X.XXXXXXXXqntm	
Upgrade	Reset	
	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.



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