# Enabling UPnP/NAT-PMP On A Siretta Router

UPnP stands for Universal Plug and Play and NAT-PMP stands for Network Address Translation Port Mapping Protocol. These are a set of networking protocols that allow networked devices to discover each other on the network and share data. As an example Printers, Cameras and gaming consoles all use UPnP / NAT-PMP to find each other on a network.

The following resources were used to create this document:

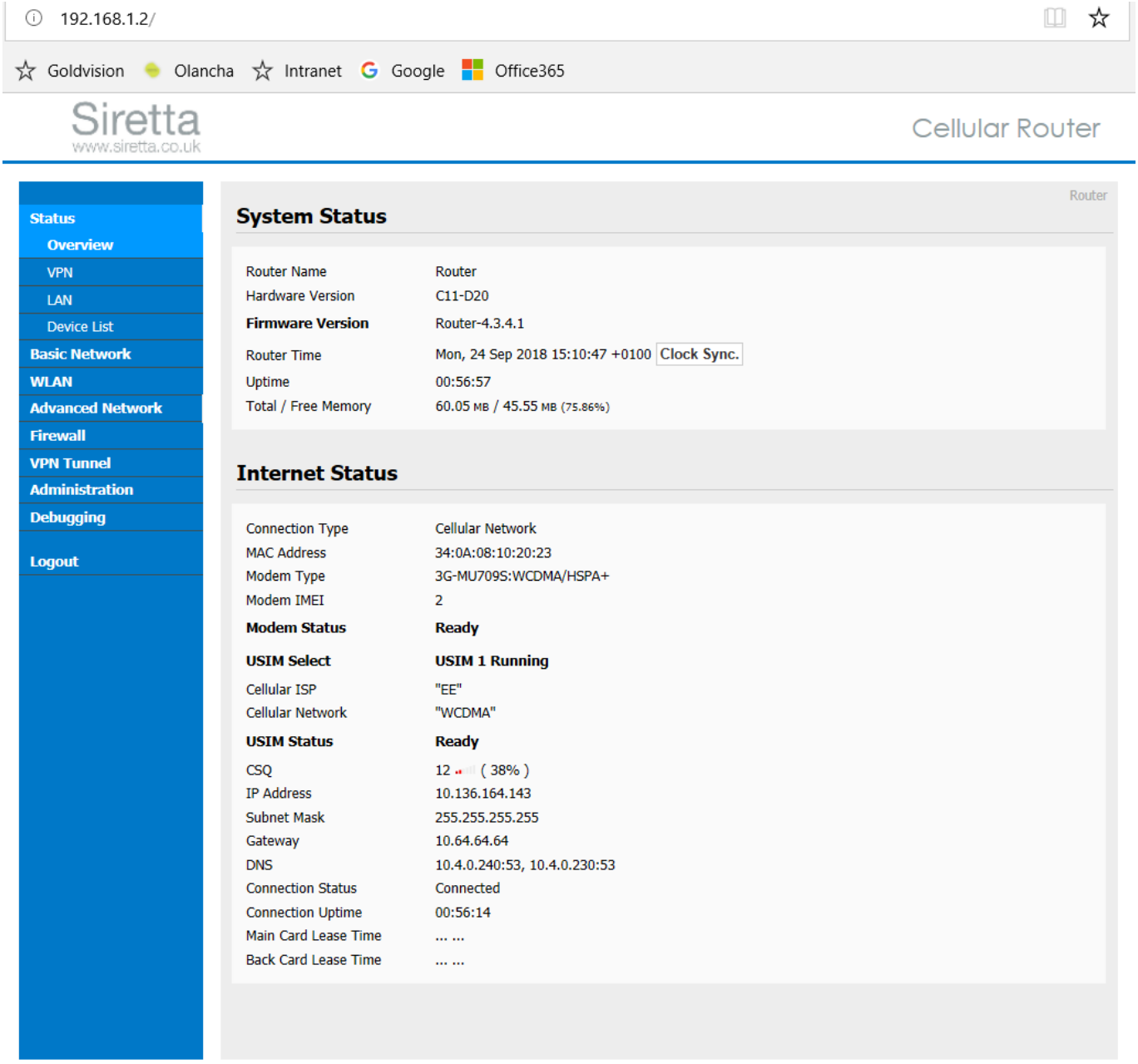
- QUARTZ-W22-UMTS (EU) + ACCESSORIES
- PC connected to a local area network.
- SIM card
- Camera

**Configure the Router for UPnP**

1. Insert SIM card into the Siretta Industrial Router (Example below uses a QUARTZ-W22-UMTS (EU))

2. Enter the APN details as provided by the SIM card provider (You can follow the router Quick Start Guide for more assistance with this).

3. Once the Router is connected to the mobile network you will see the connected status on the router's web interface (GUI) as seen below.




4. Navigate to 'Advanced Network' > 'UPnP/NAT-PMP' on the router webpage “GUI”.

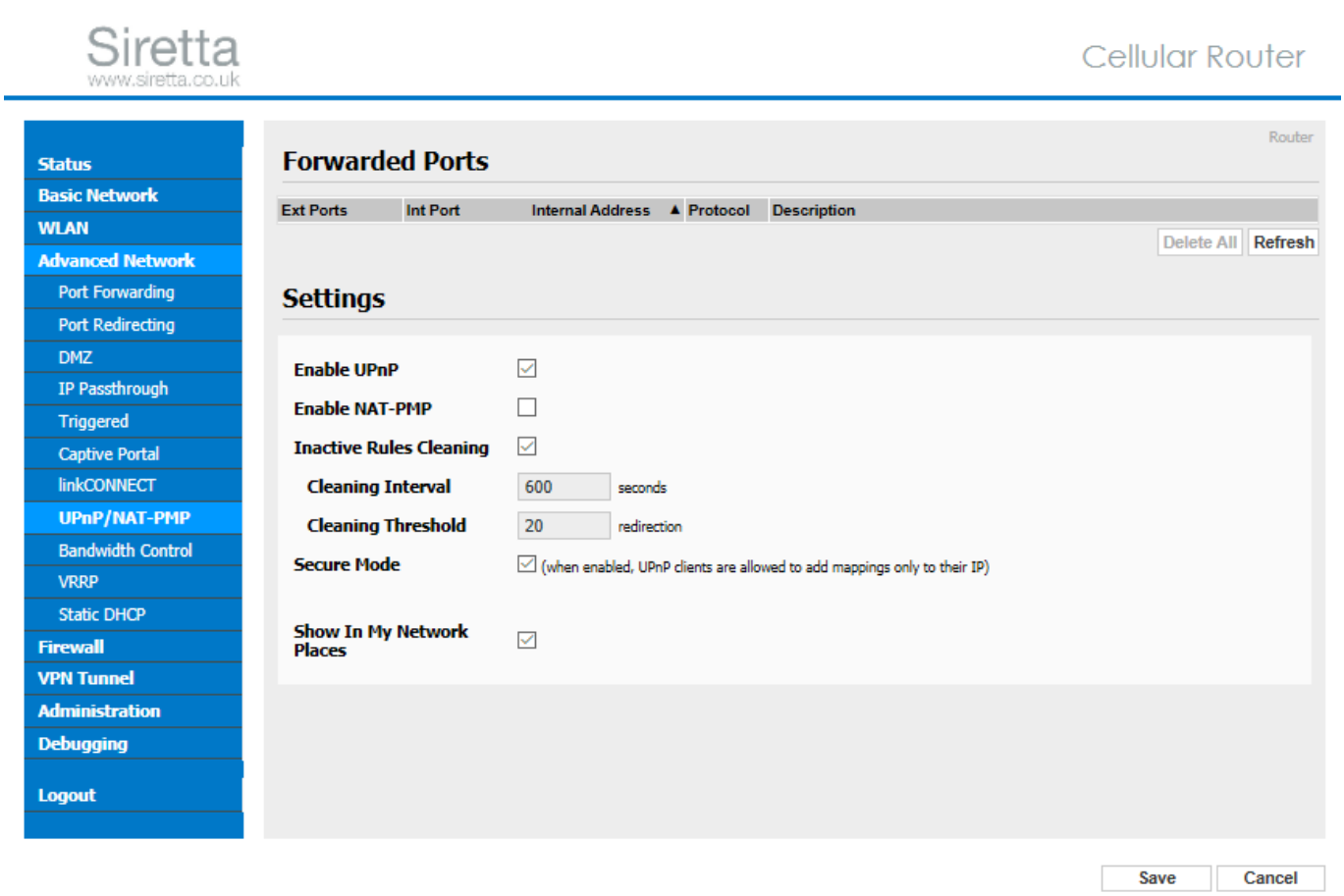
5. Check the 'Enable UPnP' box

6. Check 'Inactive Rules Clearing' box and enter clearing interval in seconds.

NOTE: You can leave the clearing threshold as the default setting unless a change is required

7. Check the 'Secure Mode'.

8. Check the 'Show In My Network Places'.




9. Click save and wait for the changes to take place.

10. The Router settings are now complete.

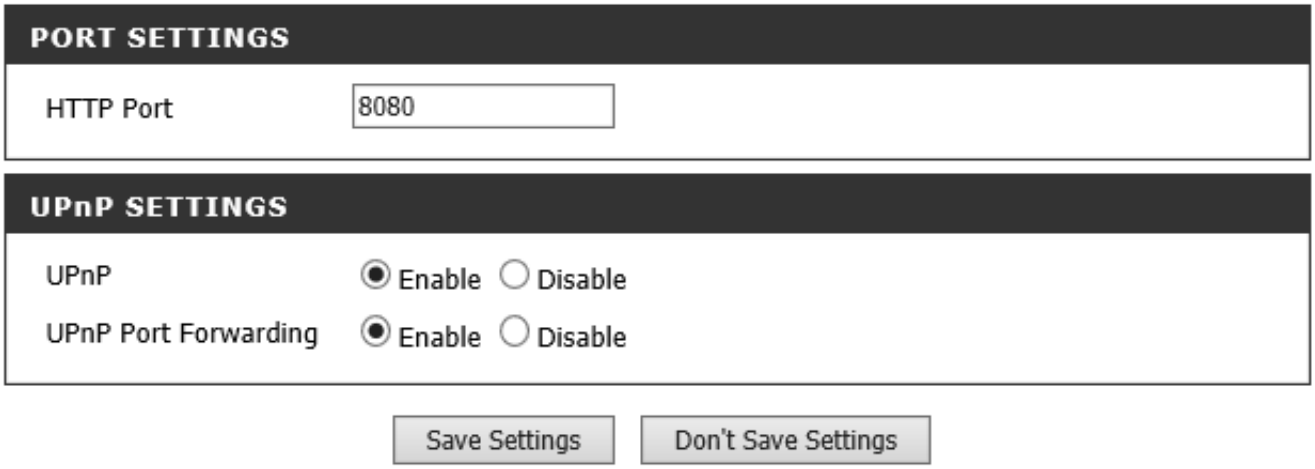
**Configure the network devices for UPnP**

1. Attach the network enabled device to the Router.

NOTE: Example uses a D-Link DSC-932L Network Camera

2. Login to the network camera using the device security settings.

3. Navigate to the network settings and check “Enable UPnP”and UPnP Port Forwarding as seen below.




4. Click save settings and wait for the changes to take place.

5. The settings on the camera are now complete.

**Testing the UPnP device on the network**

1. Navigate to the Network Browser on the local PC connected to the network.

2. You will see the device (DCS-932L) listed with the other devices on network.

3. Users can access the device by clicking on the network device icon.

4. You can access the device locally by using the IP address assigned to the camera and the UPnP port address

NOTE: In this example the IP address is '192.168.1.51:8080'

5. You can access the device remotely by configuring your router with a public fixed IP SIM card. You can then login to the UPnP device on the remote network using the fixed IP address of the SIM card and the UPnP port address.

NOTE: Using this setup would allow you to install a remote camera in the required location and access it from your web browser using the fixed IP address of the SIM card in the Router and the UPnP port address of the camera.

**Apple (MAC OS) support for UPnP**

The Siretta Routers support NAT-PMP which is the Apple (Mac OS) version of UPnP.

The full range of Siretta Industrial Router products can be found from the following link:

https://www.siretta.com/router-selector-tool/

Any queries please contact support@siretta.com