



VoxEdge LLC
8 S. Forklanding Road
Maple Shade, NJ 08052
856.382.8100
www.VoxEdge.com

SonicWALL Configuration on a Comcast Network for VoxEdge

Step 1:

Ensure that the Comcast cable modem is a non VoIP device. If the device has FXO ports, the device will need to be changed.

Step 2:

Place the Comcast in "True Bridge Mode". This requires a call to Comcast tech support. If the technician tries to have you log in to the router and make the changes, call again until you get a technician that knows how to make the change on the Comcast side. Once the modem is placed in True Bridge mode, you will not be able to ping the LAN side of the router.

Note: Configuring the modem in True Bridge Mode, ensure that the NAT will be only done on the SonicWALL only.

Step 3:

Configure the SonicWALL's WAN and ensure that the network is working properly.

Step 4:

Check if IPS is enabled in 2 places

-Network → Zones → WAN zone and hit configure. "Enable IPS"

-Security Services → Intrusion Prevention and **uncheck** the "enable IPS"

If either is enable, please contact VoxEdge before continuing.

Step 5:

Create a new Address Object (not Address Group):

162.252.248.0/22 - the subnet mask of /22 is 255.255.252.0

Name the Address Object (in this example, "VoxEdge_VOIP_Server")

23.253.155.190/32 - the subnet mask of /32 is 255.255.255.255

Name the Address Object (in this example, "Provisioning_server")



VoxEdge LLC
8 S. Forklanding Road
Maple Shade, NJ 08052
856.382.8100
www.VoxEdge.com

A screenshot of a web browser window titled "Add Address Object - Google Chrome". The address bar shows a URL starting with "https://192.168.10.1/addNetObjDlg.html". The page header features the "SONICWALL" logo and the text "Network Security Appliance". The main form contains the following fields:

- Name:
- Zone Assignment:
- Type:
- Network:
- Netmask:

Below these fields is a status bar that says "Ready". At the bottom right are two buttons: "Add" and "Close".

Step 6:

Create a new Service Object (not service group):

Enable ports 21, 22, 5060, 7000, and 16384 - 32768 for UDP traffic

Name the Service Object (in this example, "VOIP_PORTS")

Enable ports 21 and 22 for TCP traffic

Name the Service Object (in this example, "Device_provisioning")



VoxEdge LLC
8 S. Forklanding Road
Maple Shade, NJ 08052
856.382.8100
www.VoxEdge.com

A screenshot of a web browser window titled "Add Service - Google Chrome". The address bar shows a URL with a red "X" icon and the text "https://192.168.10.1/addServiceObjDlg.html". The page header features the "SONICWALL" logo and the text "Network Security Appliance". The main form contains the following fields:

- Name:
- Protocol: with a dropdown arrow
- Port Range: -
- Sub Type: with a dropdown arrow

Below the form is a green message box that says "Done adding Service object entry". At the bottom right are two buttons: "Add" and "Close".

Step 7:

Create 2 Firewall Access Rules:

From LAN to WAN

Source - Any

Destination - VoxEdge_VOIP_Server

Service - VOIP_PORTS

Allow

Advanced Tab - Set UDP Timeout to 3600 seconds



Edit Rule - Google Chrome

<https://192.168.10.1/addRuleDlg.html?objTypes=63>

SONICWALL | Network Security Appliance

General Advanced QoS Ethernet BWM

Settings

Action: ☒ Allow ☐ Deny ☐ Discard

From Zone: LAN

To Zone: WAN

Service: VOIP_PORTS

Source: Any

Destination: VoxEdge_VOIP_Server

Users Allowed: All

Schedule: Always on

Comment:

☒ Enable Logging

☒ Allow Fragmented Packets

☐ Enable packet monitor

Ready

OK Cancel Help

From WAN to LAN
Source - VoxEdge_VOIP_Server
Destination - Any
Service - VOIP_PORTS



VoxEdge LLC
8 S. Forklanding Road
Maple Shade, NJ 08052
856.382.8100
www.VoxEdge.com

Allow

Advanced Tab - Set UDP Timeout to 3600 seconds

Add Rule - Google Chrome

<https://192.168.10.1/addRuleDlg.html?objTypes=63#>

SONICWALL | Network Security Appliance

General | **Advanced** | QoS | Ethernet BWM

Settings

Action: ☒ Allow ☐ Deny ☐ Discard

From Zone:

To Zone:

Service:

Source:

Destination:

Users Allowed:

Schedule:

Comment:

☒ Enable Logging

☒ Allow Fragmented Packets

☐ Enable packet monitor

Rule action done, please check rule table



VoxEdge LLC
8 S. Forklanding Road
Maple Shade, NJ 08052
856.382.8100
www.VoxEdge.com

From LAN to WAN

Source – Any

Destination - Provisioning_server

Service - Device_provisioning

Allow

From WAN to LAN

Source - Provisioning_server

Destination – Any

Service - Device_provisioning

Allow