

XiNCOM Router Setup for VoIP

Provided by XiNCOM's Client Care Team.

Overview

The XiNCOM Twin WAN 500 and 600 Series will support VoIP services offered by companies such as Vonage, AT&T, Verizon, etc. It is recommended that the following instructions be used as a general guide due to fact that different VoIP Resellers use different VoIP adapters such as:

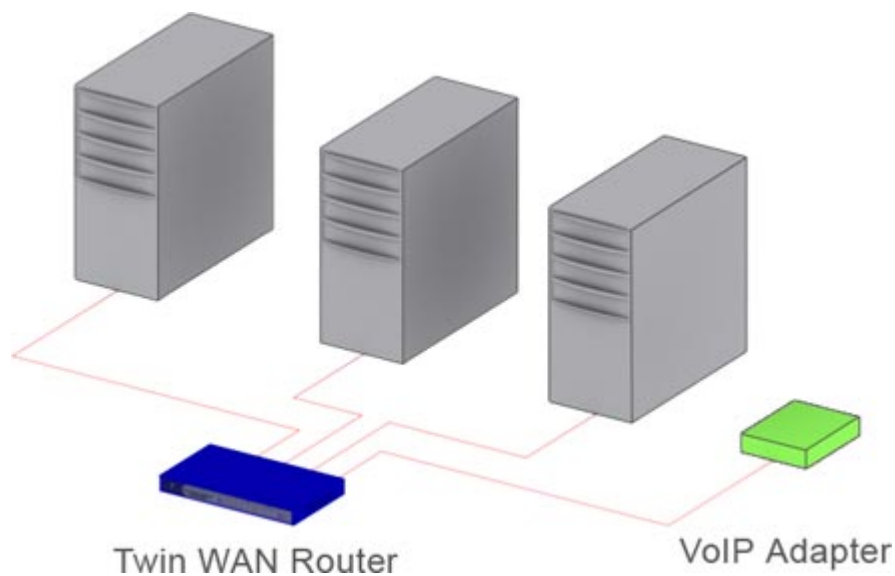
- D-Link DVG-1120M
- Motorola VT1005v
- Sipura SPA-2000
- Linksys RT41P2
- Mediatrix 2102
- Linksys PAP2
- Primus iAN-02EX
- Linksys RT31P2
- Cisco ATA 186

The following will instruct you on how to configure the XiNCOM router or gateway to interface with your VoIP adapter and allow priority VoIP traffic to pass through. **XiNCOM cannot provide support regarding your specific VoIP adapter brand.** For specific issues regarding VoIP adapters or services, please consult your adapter's manual and/or VoIP reseller.

Note: The following procedure has been tested with a Motorola VT1005v VoIP adapter. These instructions are not supported by the XC-DPG402 Twin WAN Router.

VoIP Setup

1. Place the VoIP Adapter behind the Twin WAN Router or Gateway.



2. Log into the Router/Gateway firmware interface and go to the **Advanced Setup** section. Click **Custom Virtual Server** configuration menu. Create entries in the configuration for the following ports: *(submit the form after each change)*

Protocol Type: UDP

- Ports 5060-5070
- Port 69
- Port 123
- Ports 10,000-25,000

Note: The ports listed above are the general ranges that are used by VoIP adapters. Please consult your adapter's user manual or VoIP Reseller support for specific port ranges to use.

Custom Server Configuration	
Server Name	VoIP
State	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Server IP	192.168.1.2 (ex.x)
Protocol Type	UDP
LAN Port Range	5060 ~ 5070
WAN Port Range	5060 ~ 5070
Interface Binding	WAN 1
Allowed Remote IP Range	0.0.0.0 ~ 0.0.0.0
<input type="button" value="Add"/>	

Select which broadband connection to use by selecting either WAN 1 or WAN 2 through the **Interface Binding** field. Selecting *Both* will cause unexpected conflicts or interruptions. It is recommended to bind VoIP services to the broadband connection with the higher upload rate.

3. Go to the **QoS Configuration** section, click **QoS Setup** and enable the following:

- QoS
- Process ToS Field
- Overwrite Policy Priority

QoS Features	
Enable QoS	<input checked="" type="checkbox"/> Enable
Queuing Method	Priority Queuing
IP TOS(type of service) Features	
Process TOS Field	<input checked="" type="checkbox"/> Enable
Overwrite Policy Priority	<input checked="" type="checkbox"/> Yes

- Go to the **Policy Configuration** screen. Indicate a policy name and set the source to **MAC Address**. In one of the 4 fields, input the MAC Address stamped on the bottom of your VoIP adapter and submit the changes.

Policy Priority	
Policy Name List	<input type="button" value="Select"/>
Policy Name	VoIP
Source Address	MAC Address <input type="button" value="Select 1"/>
	00-0E-DB-00-3B-AF , 00-00-00-00-00-00 , 00-00-00-00-00-00 , 00-00-00-00-00-00
Destination Address	IP Address <input type="button" value="Select 2"/>
	From 0.0.0.0 To 0.0.0.0
Protocol Type	UDP
Source Port	From 5060 To 5070
Destination Port	From 5060 To 5070
Priority Queue	High

- Enable **UPnP** on the Twin WAN Router/Gateway by going to **Advanced Setup** and **UPnP** configuration menu.

Setup for the XiNCOM Router or Gateway to interface with the VoIP Adapter is complete. You may now utilize VoIP services on your network.