

System Reserved Ports Range on SPA8000 Analog Telephone Adapter

Objective

Network Address Translation (NAT) translates a private IP address on the Local Area Network (LAN) to a public (WAN) IP address, and translates a public (WAN) IP address to a private LAN IP address. This article describes how to reserve a range of ports on a SPA8000. The range of ports, which are identified as reserved ports, are designated to not be used for Network Address Translation (NAT).

Note: If port forwarding is set on a reserved port, then the port forwarding for that specific port is cancelled.

Applicable Device

- SPA8000

Software Version

- 6.1.12

System Reserved Ports Range

Step 1. Log in to the web configuration utility as an administrator and choose **Advanced > Network > Application**. The *Application* page opens:

The screenshot shows the web configuration utility interface for the SPA8000. The 'Application' tab is selected under the 'Network' section. The 'Port Forwarding Settings' table is visible, listing various services and their configurations. Below this, the 'DMZ Settings' and 'Miscellaneous Settings' sections are shown. The 'System Reserved Ports Range' section is highlighted with a red box, indicating the current configuration: 'Starting Port: 50000 (+10000)' and 'Num of Ports Reserved: 256'. At the bottom, there are buttons for 'Undo All Changes' and 'Submit All Changes'.

Enable	Service Name	Starting Port	Ending Port	Protocol	Server IP Address
yes	sip2L1	5160	5160	Both	192.168.2.2
yes	sip2L2	5161	5161	Both	192.168.2.2
yes	tcp2	5160	5180	Both	192.168.2.2
yes	rtp2	17384	17482	Both	192.168.2.2
yes	sip3L1	5260	5260	Both	192.168.2.3
yes	sip3L2	5261	5261	Both	192.168.2.3
yes	tcp3	5260	5280	Both	192.168.2.3
yes	rtp3	18384	18482	Both	192.168.2.3
yes	sip4L1	5360	5360	Both	192.168.2.4
yes	sip4L2	5361	5361	Both	192.168.2.4
yes	tcp4	5360	5380	Both	192.168.2.4
yes	rtp4	19384	19482	Both	192.168.2.4

DMZ Settings
Enable DMZ:
DMZ Host IP Address:

Miscellaneous Settings
Multicast Passthru:

System Reserved Ports Range
Starting Port: (+10000) Num of Ports Reserved:

Step 2. Under the System Reserved Ports Range area enter the starting port in the Starting Port field. This is starting port of the reserved ports range. This port range defines the TCP/UDP ports used by the applications that operate on the phone adapter.

Note: The default starting port is 50000.

Step 3. From the Num of Ports Reserved drop-down list choose the number of ports to reserve. This gives the total number of ports reserved. Ports are reserved to provide particular services to a host.

Note: The default value for Num of Ports Reserved is 256.

Step 4. Click **Submit All Changes** to save the configuration.