

Set Upstream Bandwidth for Quality of Service (QoS) on SPA122

Objective

Quality of service (QoS) is a feature that lets you give priority to critical traffic, prevent bandwidth hogging, and manage network bottlenecks to prevent packet drops. Upstream is how fast a host (administrator) Internet server sends data to the network. Quality of Service ensures better service to high-priority types of Internet traffic, which may involve demanding, real-time applications such as video conferencing. The objective of this article is to explain how to set the upstream bandwidth to suit the broadband service on the SPA122 Phone Adapter.

Applicable Devices

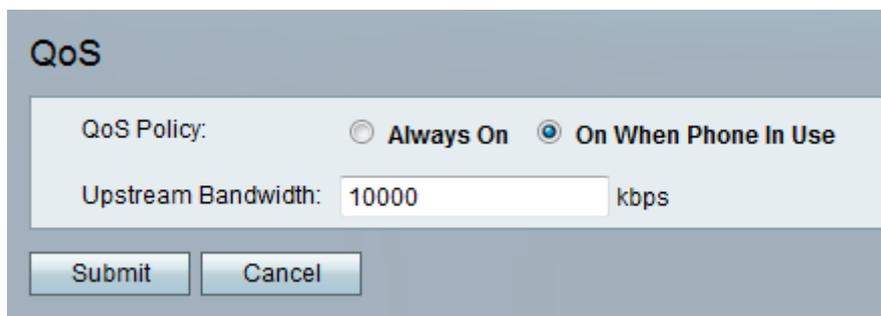
- SPA122 Phone Adapter

Software Version

- v1.1.0

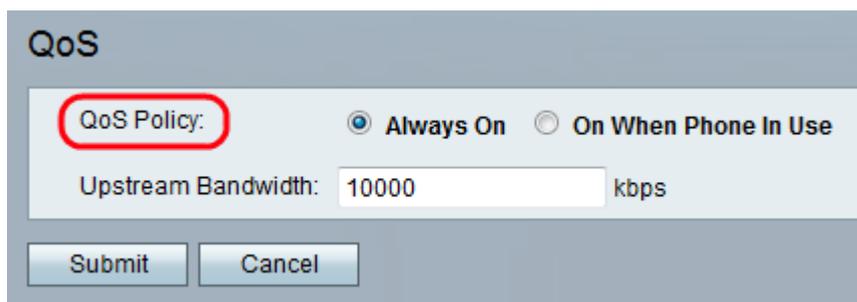
Upstream Bandwidth for Quality of Service

Step 1. Log in to the web configuration utility and choose **Network Setup > Application > QoS**. The QoS page opens:



The screenshot shows the QoS configuration interface. The title is "QoS". Under "QoS Policy:", there are two radio buttons: "Always On" (unselected) and "On When Phone In Use" (selected). Below this, "Upstream Bandwidth:" is set to "10000" kbps. At the bottom are "Submit" and "Cancel" buttons.

Note: QoS is enabled by default and helps to ensure that voice is prioritized during the period of heavy network traffic.



This screenshot is similar to the previous one, but the "Always On" radio button is now selected. The "QoS Policy:" label is highlighted with a red circle. The "Upstream Bandwidth:" remains at "10000" kbps. "Submit" and "Cancel" buttons are at the bottom.

Step 2. Click the **Always On** radio button to enable QoS settings at all times, this means the packets are prioritized based on the QoS settings at all times or click the **On When Phone**

In Use radio button to enable it only when there is voice traffic. The default setting is On When Phone In Use.

QoS

QoS Policy: Always On On When Phone In Use

Upstream Bandwidth: 7500 kbps

Submit Cancel

Step 3. Enter the value for the maximum available upstream bandwidth (in kbps) specified by your Internet Service Provider in the Upstream Bandwidth field. The default value is 10000 kbps.

Note: Do not overstate the upstream bandwidth that is received from the service provider. If the administrator enters a higher value, it can result in dropped traffic in the network of service provider.

Step 4. Click **Submit**. The changes are configured and the device is updated.