Bandwidth Configuration on the SG350XG and SG550XG Switches

Objective

The Bandwidth page enables users to define two values, Ingress Rate Limit and Egress Shaping Rate, which determines how much traffic the system can receive and send.

The objective of this document is to show you how to configure Bandwidth on the SG350XG and SG550XG Switches.

Note: The steps in this document are performed under the Advanced Display Mode. To change the Advanced Display Mode, go to the top right corner and select **Advanced** in the *Display Mode* drop-down list.

Applicable Devices

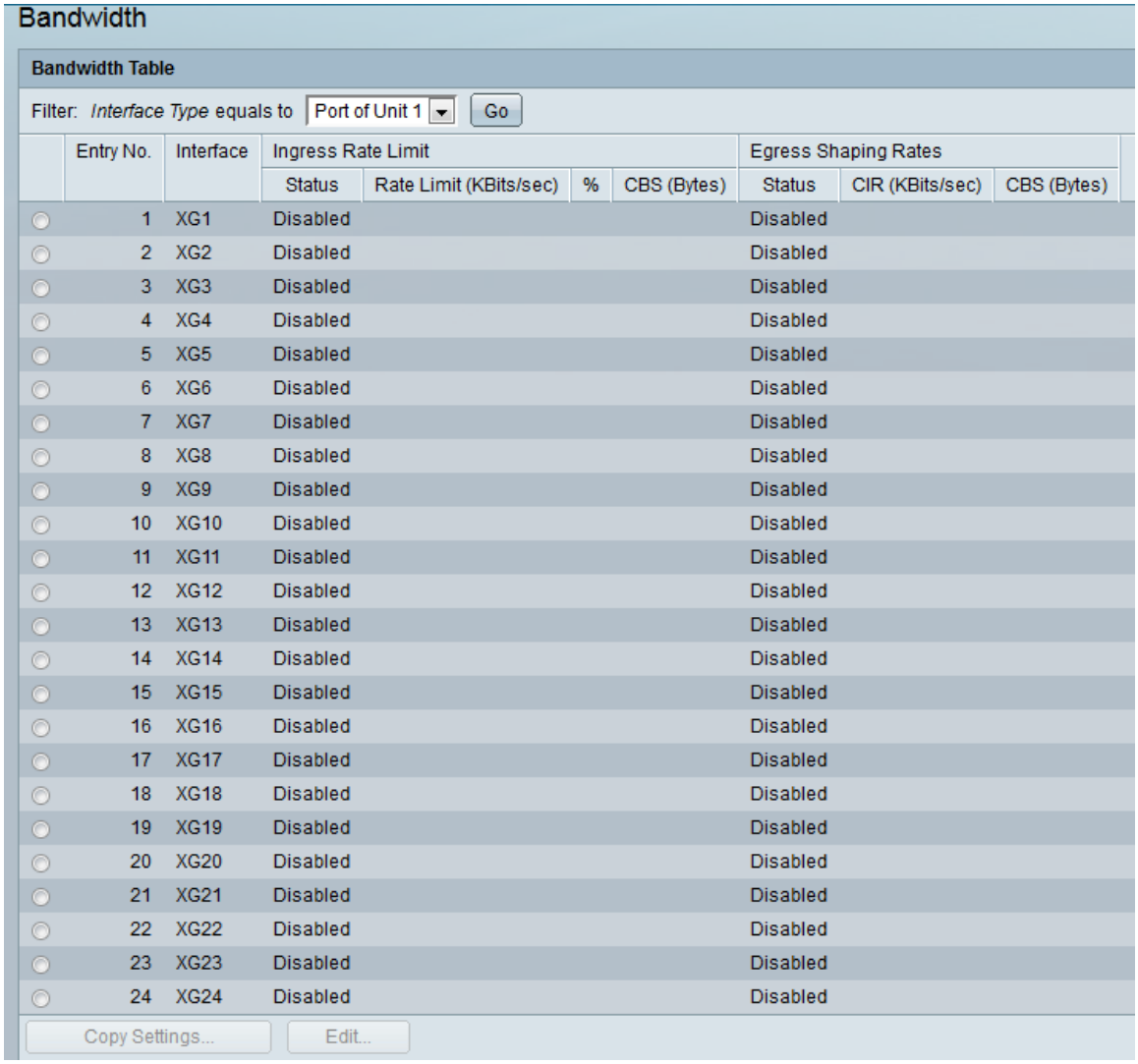
- SG350XG
- SG550XG

Software Version

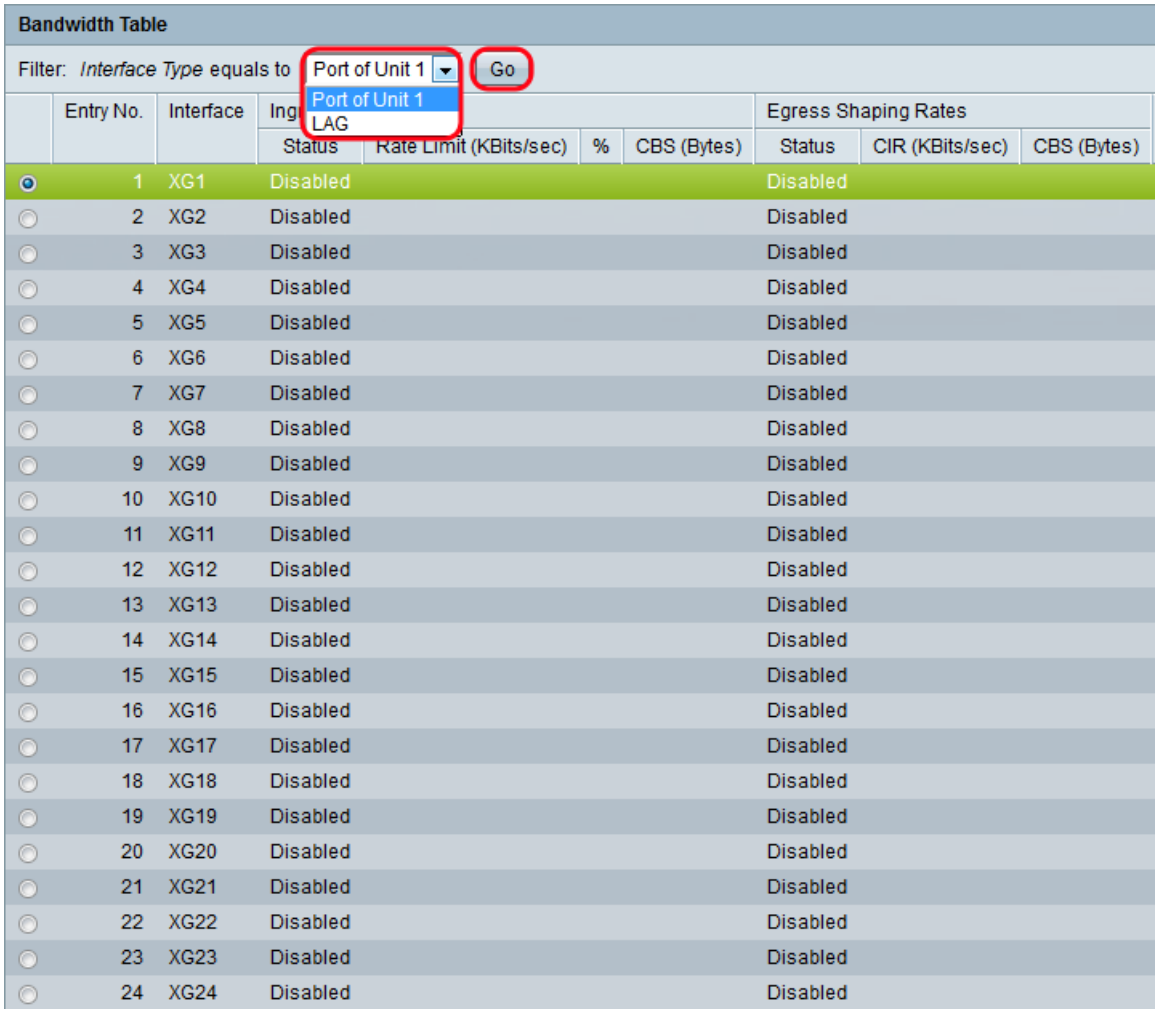
- V2.0.0.73

Configuring Bandwidth

Step 1. Log in to the web configuration utility and choose **Quality of Service > General > Bandwidth**. The *Bandwidth* page opens.

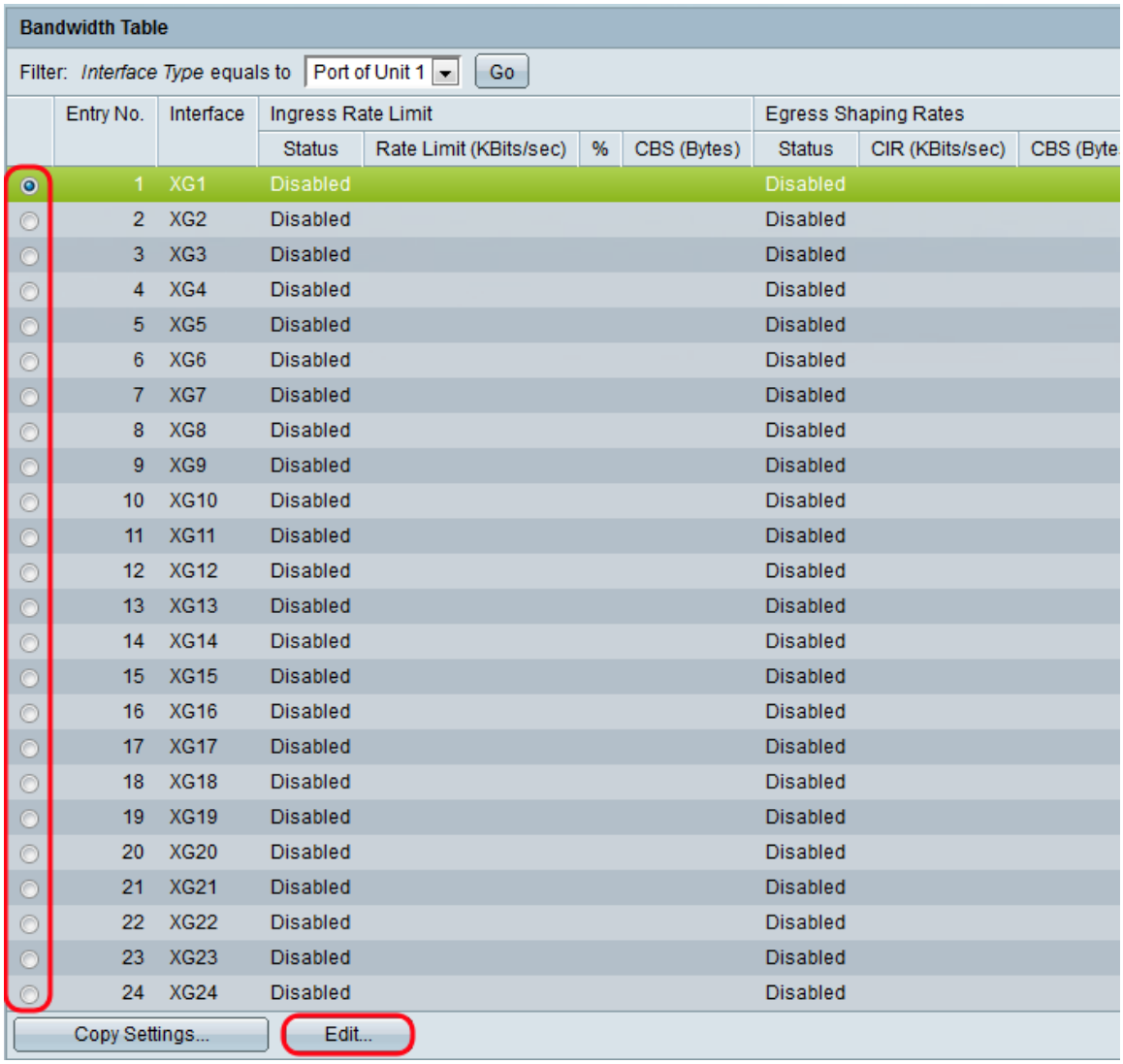


Step 2. In the *Filter: Interface Type equals to* drop-down list, select the desired **Port of Unit** or **LAG**. The Port of Unit option means that you are selecting a port on a specific device in a stack, and LAG means that you are selecting a link aggregation group. After you have selected your desired option, click **Go.**

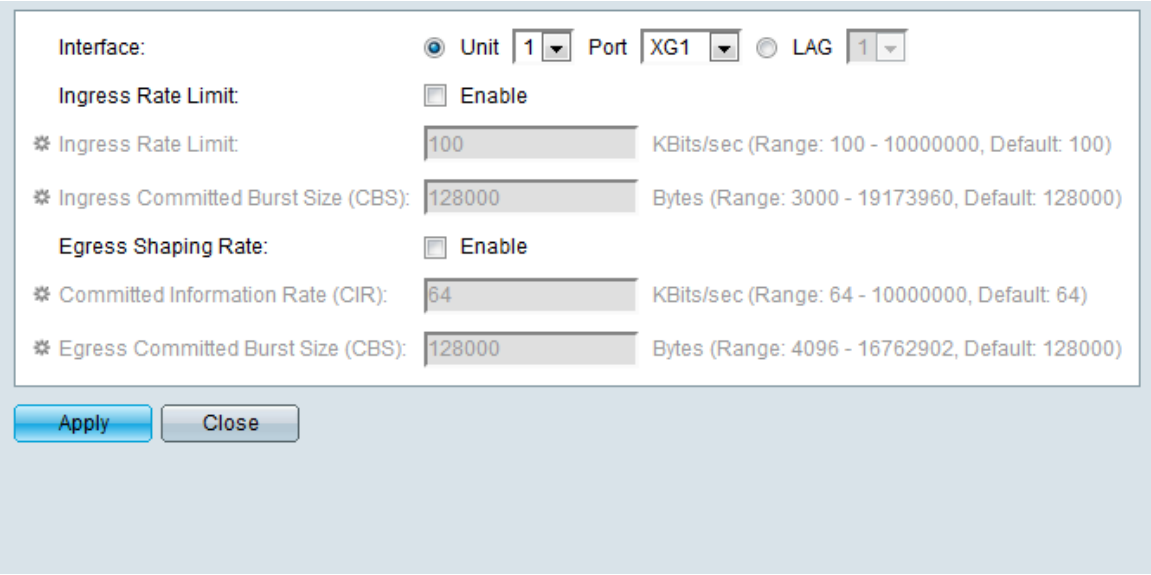


Note: You will have more options (e.g. **Port of Unit 2**) if there are more units in the stack.

Step 3. Click the radio button of the interface that you wish to configure bandwidth settings, then click **Edit…**.

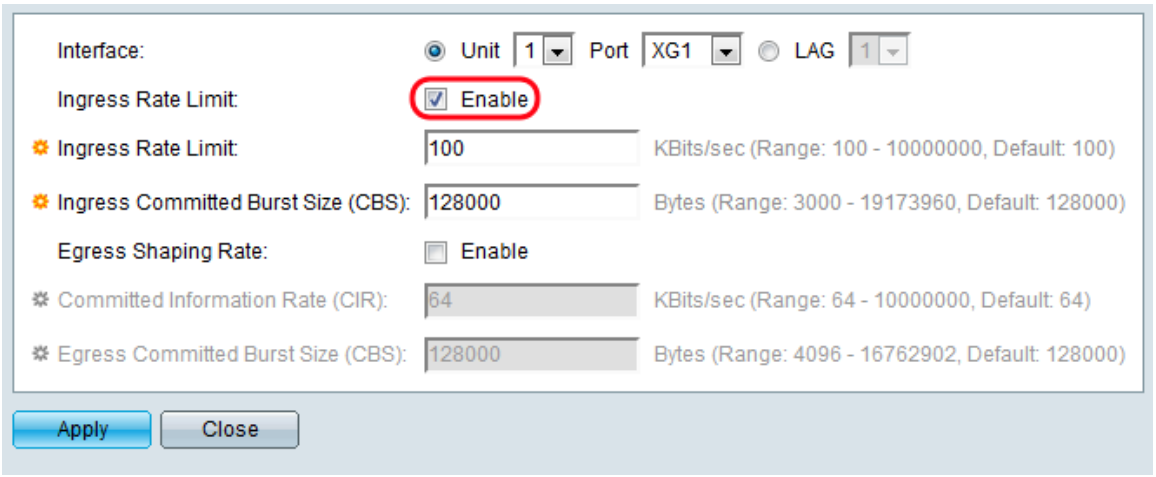


The *Edit Bandwidth* window appears:

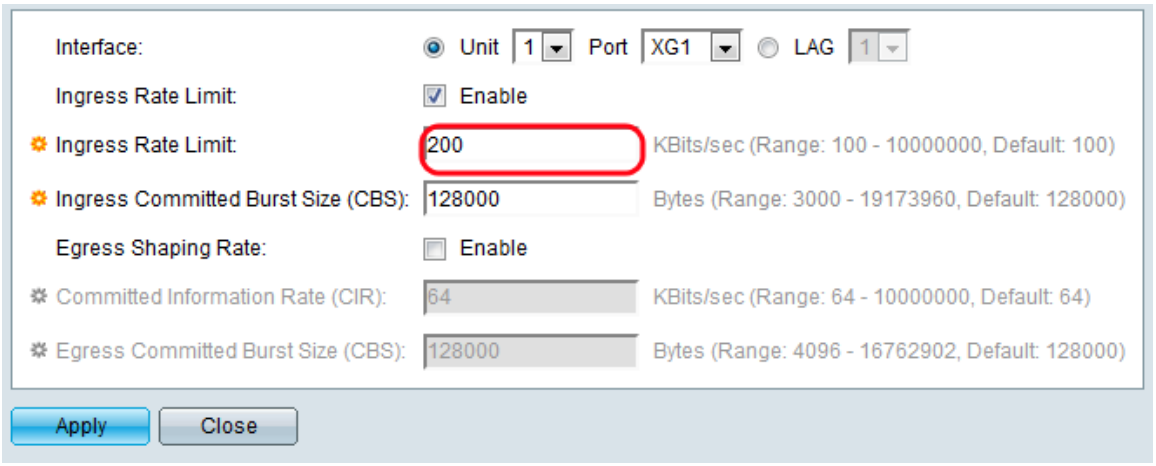


Note: The Ingress Rate Limit fields will not appear when the interface type is **LAG**. If your interface type is **LAG**, skip to Step 7.

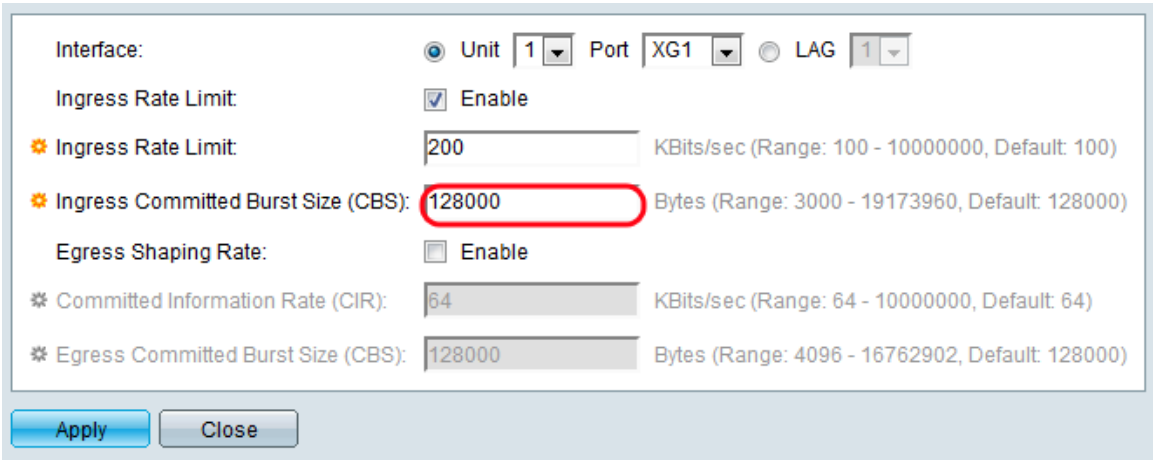
Step 4. In the *Ingress Rate Limit* field, check the **Enable** check box if you want to enable ingress rate limit. The Ingress Rate Limit limits the amount of incoming traffic on the interface. If you do not want to enable it, skip to Step 7.



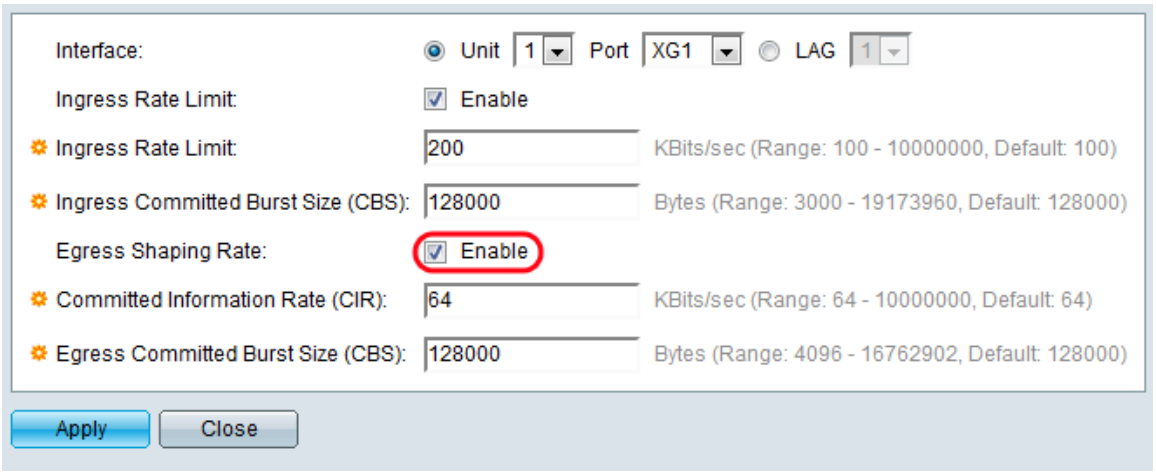
Step 5. If you chose to enable Ingress Rate Limit in Step 4, enter the desired maximum amount of bandwidth allowed on the interface in the *Ingress Rate Limit*field. The lowest amount is 100 KBits/sec and the maximum amount is 10000000 KBits/sec.



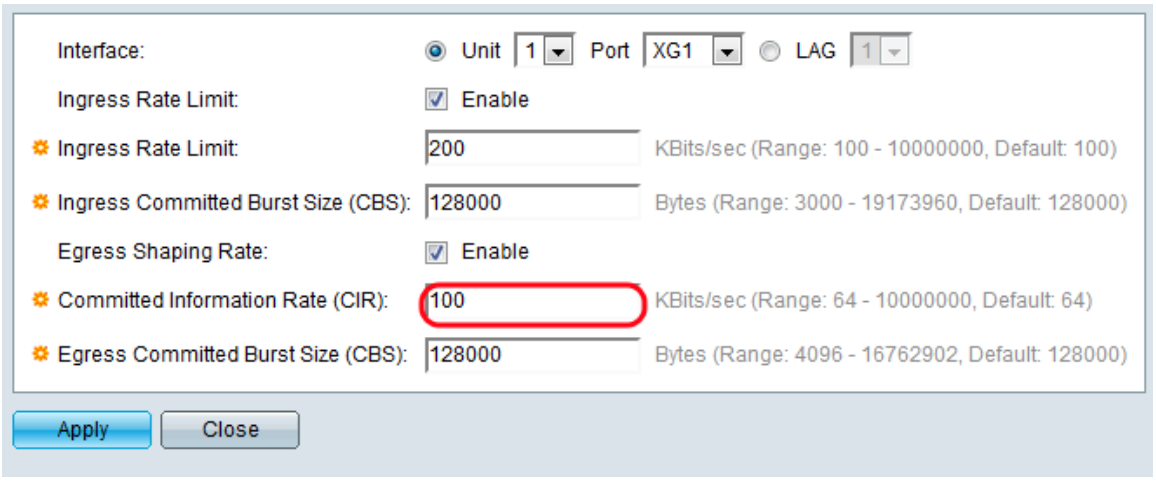
Step 6. If you chose to enable Ingress Rate Limit in Step 4, enter the desired maximum burst size of data for the ingress interface in bytes of data. This amount can be sent even if it temporarily increases the bandwidth beyond the allowed limit. The minimum range is 3000 Bytes and the maximum range is 10000000 Bytes.



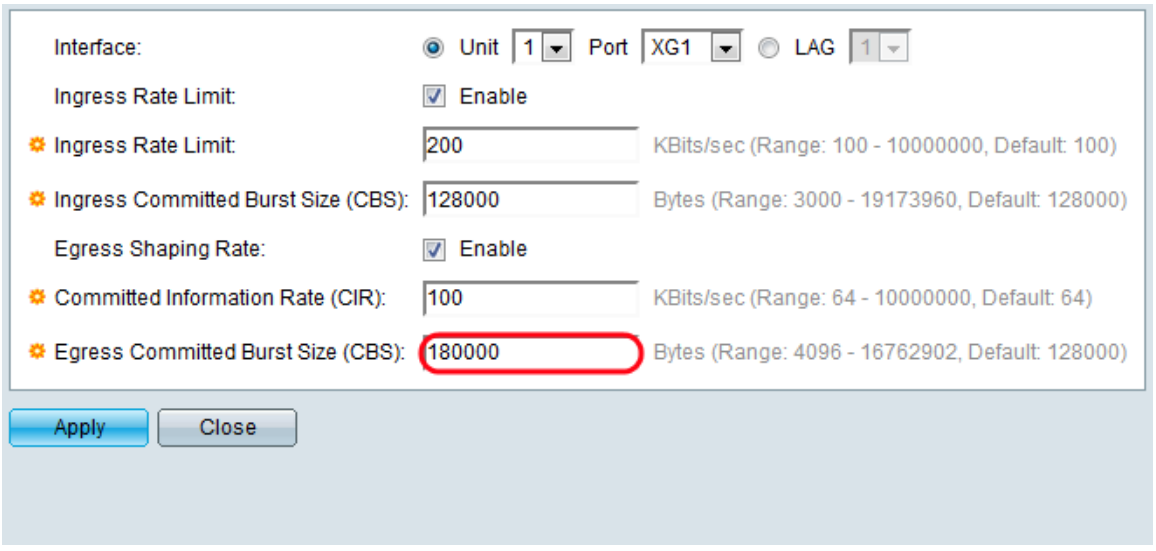
Step 7. In the *Egress Shaping Rate* field, check the **Enable** check box if you want to enable a limit for outgoing traffic. If you do not want to enable it, skip to Step 10.



Step 8. If you chose to enable Egress Shaping Rate in Step 7, enter the desired maximum bandwidth for the egress interface in the *Committed Information Rate (CIR)* field. The minimum amount is 64 KBits/sec and the maximum is 10000000 KBits/sec.



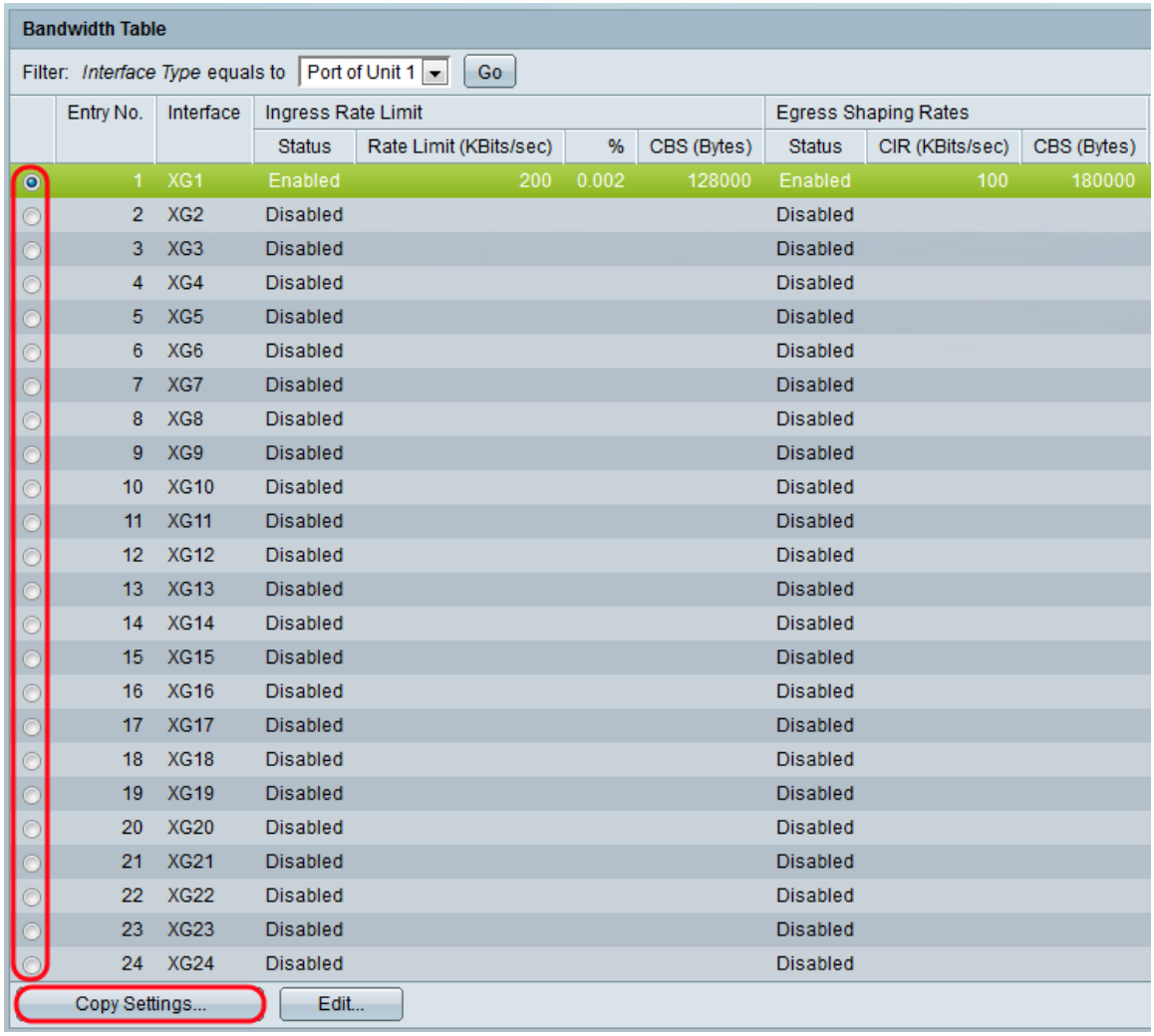
Step 9. If you chose to enable Egress Shaping Rate in Step 7, enter the desired maximum burst size of data for the egress interface in the *Egress Committed Burst Size (CBS)* field. This amount can be sent even if it temporarily increases the bandwidth beyond the allowed limit. The minimum range is 4096 Bytes and the maximum range is 16762902 Bytes.



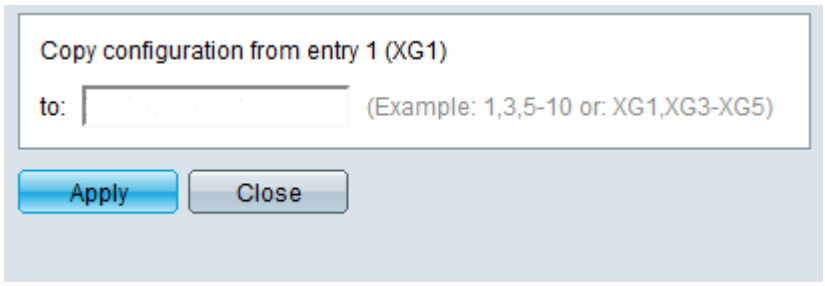
Step 10. Click **Apply**. The bandwidth settings are written to the Running Configuration file.

Copying Settings

Step 1. Click the radio button of the interface you want to copy bandwidth configuration from. Then click **Copy Settings…**



The *Copy Settings* window appears:



Step 2. In the *to* field, enter the port or range of ports that you want to copy the selected port's settings to. Then click **Apply**.