

Bandwidth Configuration on the 200/300 Series Managed Switches

Objective

The amount of traffic sent or received by the system is controlled by the bandwidth set. The bandwidth depends upon two values, Ingress Rate Limit and Egress Shaping Rate. You can adjust these values for each interface to adapt them to the network requirements.

This document showcases the procedure to configure Bandwidth on the 200/300 Series Managed Switches.

Applicable Devices

- SF/SG 200 and SF/SG 300 Series Managed Switches

Software Version

- v1.2.7.76

Configuring Bandwidth

This section explains how to configure the bandwidth of an interface.

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

Bandwidth

Bandwidth Table

Showing 1-20 of 20

All

 per page

Filter: Interface Type equals to

Port

Go

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates			
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)	
<input checked="" type="radio"/>	1	GE1	Disabled			Disabled			
<input type="radio"/>	2	GE2	Disabled			Disabled			
<input type="radio"/>	3	GE3	Disabled			Disabled			
<input type="radio"/>	4	GE4	Disabled			Disabled			
<input type="radio"/>	5	GE5	Disabled			Disabled			
<input type="radio"/>	6	GE6	Disabled			Disabled			
<input type="radio"/>	7	GE7	Disabled			Disabled			
<input type="radio"/>	8	GE8	Disabled			Disabled			
<input type="radio"/>	9	GE9	Disabled			Disabled			
<input type="radio"/>	10	GE10	Disabled			Disabled			
<input type="radio"/>	11	GE11	Disabled			Disabled			
<input type="radio"/>	12	GE12	Disabled			Disabled			
<input type="radio"/>	13	GE13	Disabled			Disabled			
<input type="radio"/>	14	GE14	Disabled			Disabled			
<input type="radio"/>	15	GE15	Disabled			Disabled			
<input type="radio"/>	16	GE16	Disabled			Disabled			
<input type="radio"/>	17	GE17	Disabled			Disabled			
<input type="radio"/>	18	GE18	Disabled			Disabled			
<input type="radio"/>	19	GE19	Disabled			Disabled			
<input type="radio"/>	20	GE20	Disabled			Disabled			

Copy Settings...

Edit...

Step 2. Click the radio button of the interface you wish to configure its bandwidth.

Step 3. Click **Edit**. The *Edit Bandwidth* window appears.

Interface:	<input checked="" type="radio"/> Port GE1	<input type="radio"/> LAG 1
Ingress Rate Limit:	<input checked="" type="checkbox"/> Enable	
Ingress Rate Limit:	<input type="text" value="100"/>	KBits/sec. (Range: 100 - 1000000, Default: 100)
Egress Shaping Rate:	<input checked="" type="checkbox"/> Enable	
Committed Information Rate (CIR):	<input type="text" value="64"/>	KBits/sec. (Range: 64 - 1000000, Default: 64)
Committed Burst Size (CBS):	<input type="text" value="128000"/>	Bytes (Range: 4096 - 16762902, Default: 128000)
<input type="button" value="Apply"/> <input type="button" value="Close"/>		

Step 4. In the Ingress Rate Limit field, to enable ingress rate limit, check the **Enable** check box. Ingress Rate Limit limits ingress traffic on the interface.

Step 5. If you checked the Ingress Rate Limit check box in Step 4, in the Ingress Limit field, enter the maximum amount of bandwidth for ingress traffic on the particular interface.

Step 6. In the Egress Shaping Rate field, to enable egress rate limit, check the **Enable** check box. Egress Rate Limit limits the egress traffic on the interface.

Step 7. If you checked the Egress Shaping Rate check box in Step 6., in the Egress Shaping Rate field, enter the maximum amount of bandwidth for egress traffic on the particular interface.

Step 8. In the Committed Information Rate (CIR) field, enter the value in this field to set the maximum allowed bandwidth for the Egress Shaping Rate interface.

Step 9. In the Committed Burst Size (CBS) field, enter the maximum burst size of data in bytes allowed for the egress interface.

Step 10. Click **Apply** to apply the settings.

Apply an Interface configuration to Multiple Interfaces

This section describes how to apply an egress shaping configuration of a single interface to multiple interfaces.

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

Bandwidth

Bandwidth Table

Showing 1-20 of 20 All per page

Filter: Interface Type equals to Port Go

	Entry No.	Interface	Ingress Rate Limit			Egress Shaping Rates		
			Status	Rate Limit (KBits/sec)	%	Status	CIR (KBits/sec)	CBS (Bytes)
<input checked="" type="radio"/>	1	GE1	Enabled	100	0.01	Enabled	64	128000
<input type="radio"/>	2	GE2	Disabled			Disabled		
<input type="radio"/>	3	GE3	Disabled			Disabled		
<input type="radio"/>	4	GE4	Disabled			Disabled		
<input type="radio"/>	5	GE5	Disabled			Disabled		
<input type="radio"/>	6	GE6	Disabled			Disabled		
<input type="radio"/>	7	GE7	Disabled			Disabled		
<input type="radio"/>	8	GE8	Disabled			Disabled		
<input type="radio"/>	9	GE9	Disabled			Disabled		
<input type="radio"/>	10	GE10	Disabled			Disabled		
<input type="radio"/>	11	GE11	Disabled			Disabled		
<input type="radio"/>	12	GE12	Disabled			Disabled		
<input type="radio"/>	13	GE13	Disabled			Disabled		
<input type="radio"/>	14	GE14	Disabled			Disabled		
<input type="radio"/>	15	GE15	Disabled			Disabled		
<input type="radio"/>	16	GE16	Disabled			Disabled		
<input type="radio"/>	17	GE17	Disabled			Disabled		
<input type="radio"/>	18	GE18	Disabled			Disabled		
<input type="radio"/>	19	GE19	Disabled			Disabled		
<input type="radio"/>	20	GE20	Disabled			Disabled		

Copy Settings...Edit...

Step 2. Click the radio button of the interface you want to apply its bandwidth configuration to multiple interfaces.

Step 3. Click **Copy Settings**. The *Copy Settings* window appears.

Copy configuration from entry 1 (GE1)

to: (Example: 1,3,5-10 or: GE1,GE3-GE5)

[illegible]