

View Ethernet Interface on the SFE/SGE Managed Switches

Objective

We view the statistics report when there is some network connectivity issues (troubleshooting) so the Ethernet Interface page is useful to analyze the amount of traffic that is both sent and received. The page also shows statistics for packets such as Unicast (The message is sent to a single host on the subnet), Multicast (The message is sent to the desired set of the hosts on the subnet) and Broadcast (The message is sent to all the hosts on the subnet). The purpose of this document is to view and analyze the Ethernet Interface Statistics on the SFE/SGE Managed Switches.

Applicable Devices

- SFE/SGE Managed Switches

Software Version

- v3.0.0.18

Ethernet interface

Step 1. Log in to the web configuration utility and choose **Statistics > Ethernet > Interface**. The *Ethernet Interface* page opens:

Interface

Interface Port 1/g1 LAG

Refresh Rate No Refresh

Receive Statistics

Total Bytes (Octets)	6878555
Unicast Packets	40804
Multicast Packets	6994
Broadcast Packets	3561
Packets with Errors	0

Transmit Statistics

Total Bytes (Octets)	28363674
Unicast Packets	45402
Multicast Packets	45479
Broadcast Packets	2603

Step 2. For the Interface field, click either the **Port** radio button to choose a port to find Ethernet Statistics for, or click the **LAG** radio button to choose a Link Aggregation Group to find Ethernet Statistics for.

Note: If you clicked LAG, skip to Step 4.

Step 3. From the Port drop-down list, choose the port that you want to find Ethernet Statistics for. Skip to Step 5.

Step 4. From the LAG drop-down list, choose the Link Aggregation Group that you want to find Ethernet Statistics for.

Step 5. For the Refresh Rate field, choose an option for the Ethernet Statistics from the Refresh Rate drop-down list . The data will begin streaming after a refresh rate is chosen. The default value is set to No Refresh.

- No Refresh — No Ethernet statistics will be taken.
- 15 sec. — Ethernet statistics will be taken every 15 seconds.
- 30 sec. — Ethernet statistics will be taken every 30 seconds.
- 60 sec. — Ethernet statistics will be taken every 60 seconds.

The Receive Statistics area contains the following fields:

- Total Bytes(octets) — Shows the number of octets received from the time the page was refreshed last time. The number includes bad packets and FCS octets, but it does not include framing bits.
- Unicast Packets — Shows the number of good Unicast packets received from the period

the page was refreshed last time.

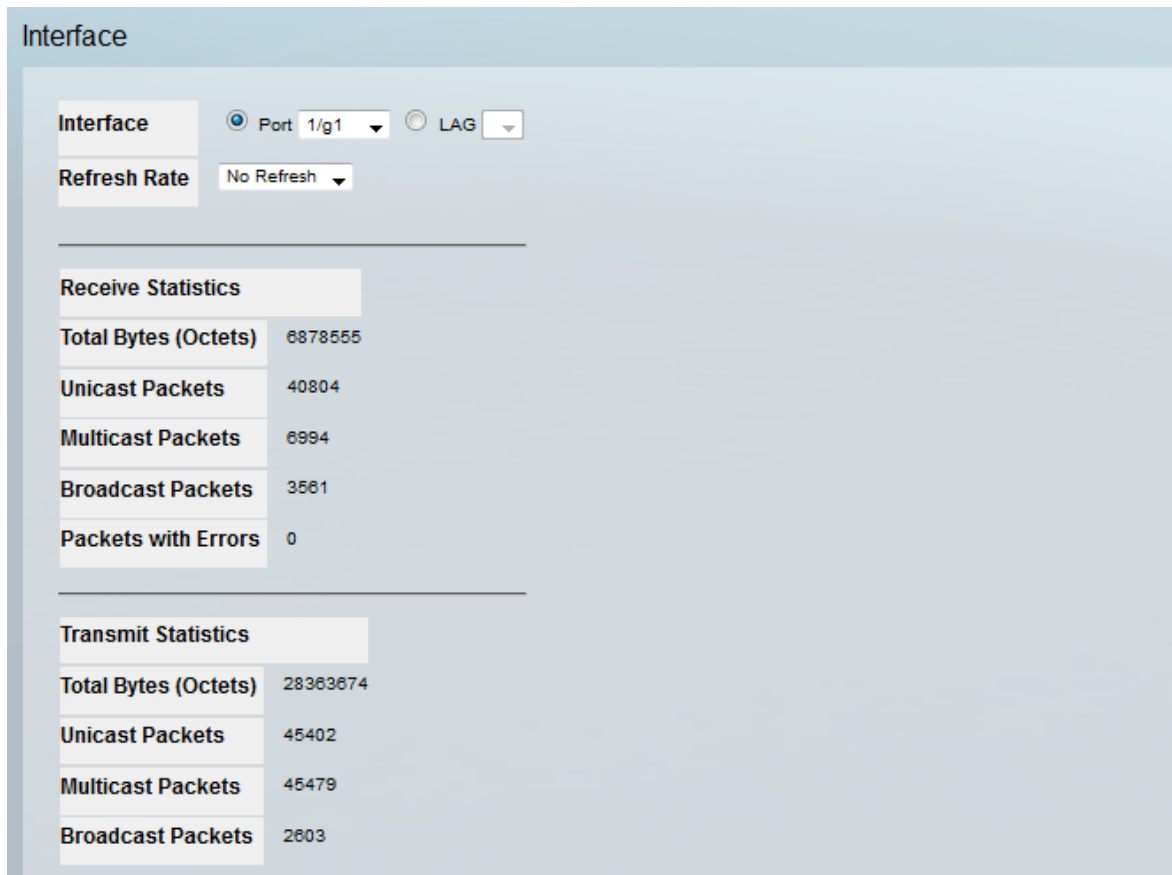
- Multicast Packets — Shows the number of good Multicast packets received from the period the page was refreshed last time.
- Broadcast Packets — Shows the number of good Broadcast packets received from the period the page was refreshed last time.
- Packets with Errors — Shows the number of packets received that has errors.

The Transmit Statistics area contains the following fields:

- Total Bytes(octets) — Shows the number of octets received from the time the page was refreshed last time. The number includes bad packets and FCS octets, but it does not include framing bits.
- Unicast Packets — Shows the number of good Unicast packets received from the period the page was refreshed last time.
- Multicast Packets — Shows the number of good Multicast packets received from the period the page was refreshed last time.
- Broadcast Packets — Shows the number of good Broadcast packets received from the period the page was refreshed last time.

Reset Interface Statistics Counters

Step 1. Log in to the web configuration utility and choose **Statistics > Ethernet > Interface**. The *Ethernet Interface* page opens:



The screenshot shows the 'Interface' configuration page. At the top, there are two radio buttons: 'Port 1/g1' (selected) and 'LAG'. Below them is a 'Refresh Rate' dropdown menu set to 'No Refresh'. The page is divided into two main sections: 'Receive Statistics' and 'Transmit Statistics'. Each section contains a table of statistics.

Receive Statistics	
Total Bytes (Octets)	6878555
Unicast Packets	40804
Multicast Packets	6994
Broadcast Packets	3561
Packets with Errors	0

Transmit Statistics	
Total Bytes (Octets)	28363674
Unicast Packets	45402
Multicast Packets	45479
Broadcast Packets	2803

Transmit Statistics	
Total Bytes (Octets)	28363674
Unicast Packets	45402
Multicast Packets	45479
Broadcast Packets	2603

Step 2. Click the **Clear Counters** button to clear the interface statistics counters.