TP-LINK®
The Reliable Choice

Configuration Guide

Monitoring Traffic

T Series Product

CONTENTS

1 Traffic Monitor

With Traffic Monitor function, you can monitor the traffic on the switch, including:

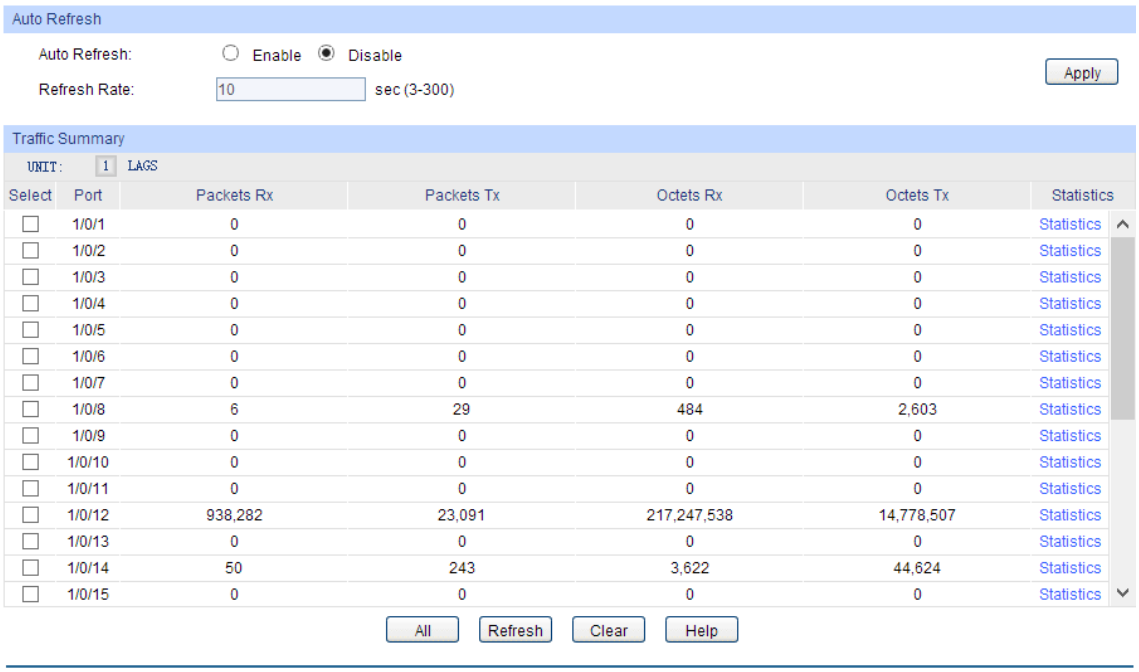
- Traffic Summary
- Traffic Statistics in Detail

1.1 Using the GUI

1.1.1 Viewing the Traffic Summary

Choose the menu **Switching > Traffic Monitor > Traffic Summary** to load the following page.

Figure 1-1 Traffic Summary



Follow these steps to view the traffic summary of each port:

1) To get the real-time traffic summary, enable auto refresh in the **Auto Refresh** section, or click **Refresh** at the bottom of the page.

Auto Refresh:	With this potion enabled, the switch refreshes the web timely.
Refresh Rate:	Specify the refresh interval in seconds.

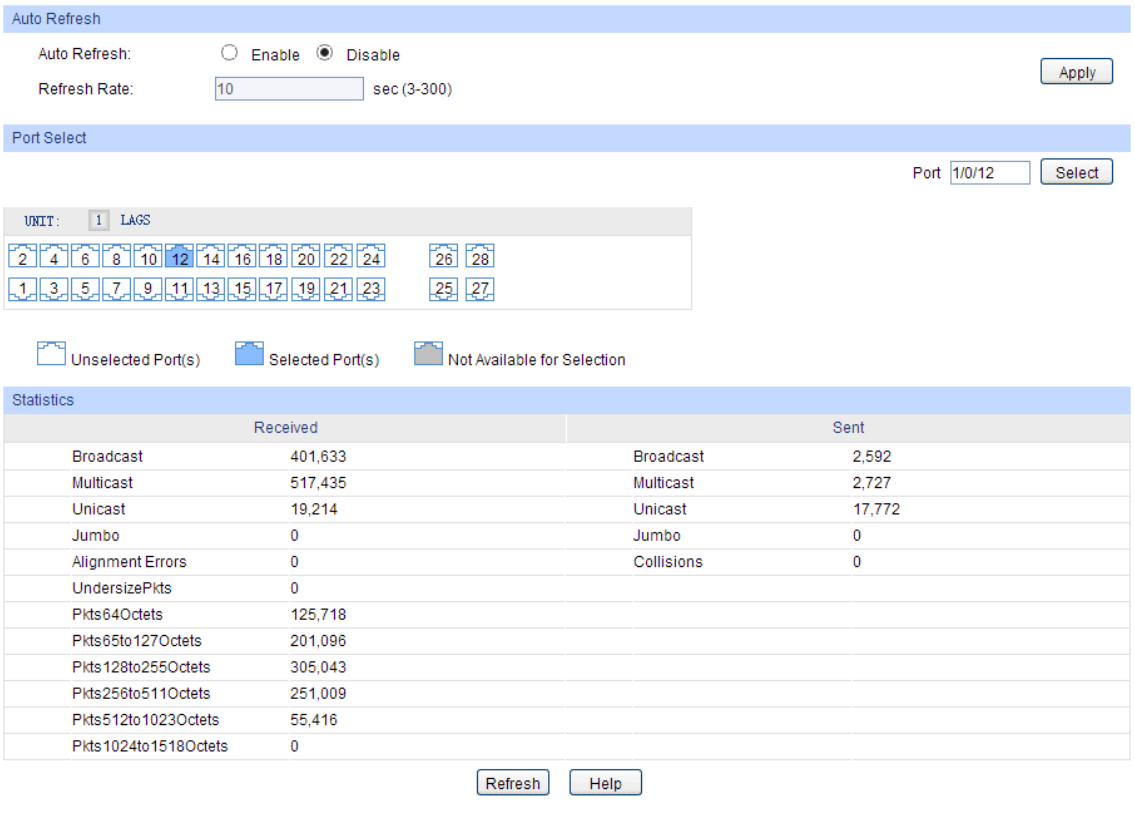
2) In the **Traffic Summary** section, click **1** to show the information of the physical ports, and click **LAGS** to show the information of the LAGs.

Packets Rx:	Displays the number of packets received on the port. Error packets are not counted in.
Packets Tx:	Displays the number of packets transmitted on the port. Error packets are not counted in.
Octets Rx:	Displays the number of octets received on the port. Error octets are counted in.
Octets Tx:	Displays the number of octets transmitted on the port. Error octets are counted in.
Statistics:	Click this button to view the detailed traffic statistics of the port.

1.1.2 Viewing the Traffic Statistics in Detail

Choose the menu **Switching > Traffic Monitor > Traffic Statistics** to load the following page.

Figure 1-2 Traffic Statistics



Follow these steps to view the traffic statistics in detail:

1) To get the real-time traffic statistics, enable auto refresh in the **Auto Refresh** section, or click **Refresh** at the bottom of the page.

Auto Refresh:	With this option enabled, the switch refreshes the web timely.
Refresh Rate:	Specify the refresh interval in seconds.

2) In **Port Select**, select a port or LAG, and click **Apply**.

3) In the **Statistics** section, view the detailed information of the selected port or LAG.

Received:	Displays the detailed information of received packets. Broadcast: Displays the number of valid broadcast packets received on the port. Error frames are not counted in. Multicast: Displays the number of valid multicast packets received on the port. Error frames are not counted in. Unicast: Displays the number of valid unicast packets received on the port. Error frames are not counted in. Jumbo: Displays the number of valid jumbo packets received on the port. Error frames are not counted in. Alignment Errors: Displays the number of the received packets that have a Frame Check Sequence (FCS) with a non-integral octet (Alignment Error). The size of the packet is between 64 bytes and 1518 bytes. UndersizePkts: Displays the number of the received packets (excluding error packets) that are less than 64 bytes long. Pkts64Octets: Displays the number of the received packets (including error packets) that are 64 bytes long. Pkts65to127Octets: Displays the number of the received packets (including error packets) that are between 65 and 127 bytes long. Pkts128to255Octets: Displays the number of the received packets (including error packets) that are between 128 and 255 bytes long. Pkts256to511Octets: Displays the number of the received packets (including error packets) that are between 256 and 511 bytes long. Pkts512to1023Octets: Displays the number of the received packets (including error packets) that are between 512 and 1023 bytes long. PktsOver1023Octets: Displays the number of the received packets (including error packets) that are over 1023 bytes.
Sent:	Displays the detailed information of sent packets. Broadcast: Displays the number of valid broadcast packets transmitted on the port. Error frames are not counted in. Multicast: Displays the number of valid multicast packets transmitted on the port. Error frames are not counted in. Unicast: Displays the number of valid unicast packets transmitted on the port. Error frames are not counted in. Jumbo: Displays the number of valid jumbo packets transmitted on the port. Error frames are not counted in. Collisions: Displays the number of collisions experienced by a half-duplex port during packet transmissions.

1.2 Using the CLI

On privileged EXEC mode or any other configuration mode, you can use the following command to view the traffic information of each port or LAG:

show interface counters [fastEthernet *port* **| gigabitEthernet** *port* **| ten-gigabitEthernet** *port* **| port-channel** *port-channel-id* **]**

port: The port number.

port-channel-id: The group number of the LAG.

If you enter no port number or group number, the information of all ports and LAGs will be displayed.

The displaying information includes:

Broadcast: Displays the number of valid broadcast packets received and transmitted on the port. Error frames are not counted in.

Multicast: Displays the number of valid multicast packets received and transmitted on the port. Error frames are not counted in.

Unicast: Displays the number of valid unicast packets received and transmitted on the port. Error frames are not counted in.

Jumbo: Displays the number of valid jumbo packets received and transmitted on the port. Error frames are not counted in.

Alignment Errors: Displays the number of the received packets that have a Frame Check Sequence (FCS) with a non-integral octet (Alignment Error). The size of the packet is between 64 bytes and 1518 bytes.

UndersizePkts: Displays the number of the received packets (excluding error packets) that are less than 64 bytes long.

Pkts64Octets: Displays the number of the received packets (including error packets) that are 64 bytes long.

Pkts65to127Octets: Displays the number of the received packets (including error packets) that are between 65 and 127 bytes long.

Pkts128to255Octets: Displays the number of the received packets (including error packets) that are between 128 and 255 bytes long.

Pkts256to511Octets: Displays the number of the received packets (including error packets) that are between 256 and 511 bytes long.

Pkts512to1023Octets: Displays the number of the received packets (including error packets) that are between 512 and 1023 bytes long.

PktsOver1023Octets: Displays the number of the received packets (including error packets) that are over 1023 bytes.

Collisions: Displays the number of collisions experienced by a port during packet transmissions.

2 Appendix: Default Parameters

Table 2-1 Traffic Statistics Monitoring

Parameter	Default Setting
Traffic Summary	
Auto Refresh	Disable
Refresh Rate	10 seconds
Traffic Statistics	
Auto Refresh	Disable
Refresh Rate	10 seconds