

View the Port Traffic Statistics on the RV34x Series Router

Objective

Port traffic statistics allows an administrator to view the state of the interfaces and the traffic that comes through it. These statistics assist the network administrator in troubleshooting the devices that are connected to the router. An administrator may also use these statistics to determine how much data and power should be allocated per port.

The Wireless Statistics page on the RV340W router allows an administrator to view the state of the Service Set Identifiers (SSIDs) and their corresponding data transmission between client and router. With the help of information such as radio frequency which the SSID broadcasts, it can help triangulate problems in the network that are related to radio signals.

The objective of this document is to show you how to view and define the port traffic on the RV34x Series Router.

Applicable Devices

- RV34x Series

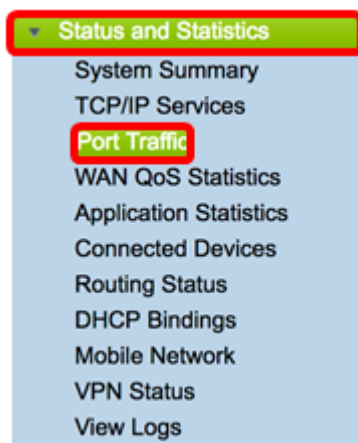
Software Version

- 1.0.01.16

View the Port Traffic Statistics

View Port Traffic

Step 1. Log in to the web-based utility of the router and choose **Status and Statistics > Port Traffic**.



Step 2. View the Port Traffic table below. The contents of the table are as follows:

Port Traffic

Port Traffic							
Port ID	Port Label	Link Status	Rx Packets	Rx Bytes	Tx Packets	Tx Bytes	Packet Error
LAN8	LAN	Not Connected	0	0	0	0	0
LAN9	LAN	Not Connected	0	0	0	0	0
LAN10	LAN	Not Connected	0	0	0	0	0
LAN11	LAN	Not Connected	0	0	0	0	0
LAN12	LAN	Not Connected	0	0	0	0	0
LAN13	LAN	Not Connected	0	0	0	0	0
LAN14	LAN	Not Connected	0	0	0	0	0
LAN15	LAN	Not Connected	0	0	0	0	0
LAN16	DMZ / LAN	Not Connected	0	0	0	0	0
WAN1	WAN	Connected	642320	476952987	323748	83821682	0
WAN2	WAN	Not Connected	0	0	8	534	0

- Port ID — Defined name and number of the interface.
- Port Label — The type of port. This can either be a Local Area Network (LAN) port, a Demilitarized Zone (DMZ) port, or Wide Area Network (WAN) port.
- Link Status — The status of the interface. The status can either be Connected or Not Connected.
- Rx Packets — Number of packets received on the port.
- Rx Bytes — Number of packets received, measured in bytes.
- Tx Packets — Number of packets sent on the port.
- Tx Bytes — Number of packets sent and measured in bytes.
- Packet Error — Details about the error packets.

Note: In this example, WAN1 displays the most traffic.

Step 3. (Optional) Click on **Refresh** to allow the counters to update the displayed statistics.

Port Traffic							
Port ID	Port Label	Link Status	Rx Packets	Rx Bytes	Tx Packets	Tx Bytes	Packet Error
LAN8	LAN	Not Connected	0	0	0	0	0
LAN9	LAN	Not Connected	0	0	0	0	0
LAN10	LAN	Not Connected	0	0	0	0	0
LAN11	LAN	Not Connected	0	0	0	0	0
LAN12	LAN	Not Connected	0	0	0	0	0
LAN13	LAN	Not Connected	0	0	0	0	0
LAN14	LAN	Not Connected	0	0	0	0	0
LAN15	LAN	Not Connected	0	0	0	0	0
LAN16	DMZ / LAN	Not Connected	0	0	0	0	0
WAN1	WAN	Connected	642320	476952987	323748	83821682	0
WAN2	WAN	Not Connected	0	0	8	534	0

Step 4. (Optional) Click on **Reset Counters** to reset all values to zero.

Port Traffic

Port Traffic							
Port ID	Port Label	Link Status	Rx Packets	Rx Bytes	Tx Packets	Tx Bytes	Packet Error
LAN8	LAN	Not Connected	0	0	0	0	0
LAN9	LAN	Not Connected	0	0	0	0	0
LAN10	LAN	Not Connected	0	0	0	0	0
LAN11	LAN	Not Connected	0	0	0	0	0
LAN12	LAN	Not Connected	0	0	0	0	0
LAN13	LAN	Not Connected	0	0	0	0	0
LAN14	LAN	Not Connected	0	0	0	0	0
LAN15	LAN	Not Connected	0	0	0	0	0
LAN16	DMZ / LAN	Not Connected	0	0	0	0	0
WAN1	WAN	Connected	642320	476952987	323748	83821682	0
WAN2	WAN	Not Connected	0	0	8	534	0

You should now have successfully viewed the Port Traffic on an RV34x Series Router.

View Wireless Traffic

Note: This area is only applicable to RV340W.

Step 1. View the Wireless Traffic below. The contents of the table are as follows:

Wireless Traffic												
SSID Name	VLAN	Radio Name	Status	Rx Packets	Rx Bytes	Tx Packets	Tx Bytes	Multicast P..	Packet Error	Packet Dr...	Collisions	No. of Clients
ciscosb1	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb1	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb2	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb2	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb3	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb3	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb4	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb4	1	5G	Inactive	0	0	0	0	0	0	0	0	0

- SSID Name — Defined name of the Service Set Identifier (SSID).
- VLAN — The Virtual Local Area Network (VLAN) the SSID has been assigned.
- Radio Name — The radio frequency from which the SSID is broadcasted. This can either be the 2.4 GHz band or the 5 GHz band.
- Status — The status of the interface. The status can either be Active or Inactive.
- Rx Packets — Number of packets received on the port.
- Rx Bytes — Number of packets received, measured in bytes.
- Tx Packets — Number of packets sent on the port.
- Tx Bytes — Number of packets sent and measured in bytes.
- Multicast Packets — Number of multicast packets that were sent.
- Packet Error — Details about the error packets.
- Packets Dropped — Number of packets dropped on the SSID.
- Collisions — Number of collisions that occurred on the network.
- No. of Clients — Number of clients connected to the SSID.

Step 2. (Optional) Click on **Refresh** to allow the counters to update the displayed statistics.

Wireless Traffic												
SSID Name	VLAN	Radio Name	Status	Rx Packets	Rx Bytes	Tx Packets	Tx Bytes	Multicast P..	Packet Error	Packet Dr...	Collisions	No. of Clients
ciscosb1	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb1	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb2	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb2	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb3	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb3	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb4	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb4	1	5G	Inactive	0	0	0	0	0	0	0	0	0

Refresh Reset Counters

Step 3. (Optional) Click on **Reset Counters** to reset all values to zero.

Wireless Traffic												
SSID Name	VLAN	Radio Name	Status	Rx Packets	Rx Bytes	Tx Packets	Tx Bytes	Multicast P..	Packet Error	Packet Dr...	Collisions	No. of Clients
ciscosb1	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb1	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb2	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb2	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb3	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb3	1	5G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb4	1	2.4G	Inactive	0	0	0	0	0	0	0	0	0
ciscosb4	1	5G	Inactive	0	0	0	0	0	0	0	0	0

Refresh Reset Counters

You should now have successfully viewed the wireless traffic on the RV340W.

View Port Status

Step 1. View the Port Status table below. The contents of the table are as follows:

Port Status						
Port ID	Port Label	Link Status	Port Activity	Speed Status	Duplex Status	Auto Negotiation
LAN8	LAN	Not Connected	Enabled	--	--	Enabled
LAN9	LAN	Not Connected	Enabled	--	--	Enabled
LAN10	LAN	Not Connected	Enabled	--	--	Enabled
LAN11	LAN	Not Connected	Enabled	--	--	Enabled
LAN12	LAN	Not Connected	Enabled	--	--	Enabled
LAN13	LAN	Not Connected	Enabled	--	--	Enabled
LAN14	LAN	Not Connected	Enabled	--	--	Enabled
LAN15	LAN	Not Connected	Enabled	--	--	Enabled
LAN16	DMZ / LAN	Not Connected	Enabled	--	--	Enabled
WAN1	WAN	Connected	Enabled	1000	Full	Enabled
WAN2	WAN	Not Connected	Enabled	--	--	Enabled

- Port ID — Defined name and number of the port.
- Port Label — The type of port. This can either be a LAN, DMZ, or a WAN port.
- Link Status — The status of the interface. The status can either be Connected or Not Connected.
- Port Activity — Status of the port. This can be port enabled or disabled or connected.
- Speed Status — The speed in Mbps of the device after auto negotiation.
- Duplex Status — The Duplex mode can be either Half or Full.
- Auto Negotiation — Status of the auto negotiation parameter. When enabled, it detects the duplex mode, and if the connection requires a crossover, it automatically chooses the Medium Dependent Interface (MDI) or Medium Dependent Interface Crossover

(MDIX) configuration that matches the other end of the link.

Note: In this example, WAN1 displays its connection with a speed of 1000 Mbps.

You should now have successfully viewed the Port Status on the Rv34x Series Router.