

RUT230 Load Balancing

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The information in this page is updated in accordance with firmware version [RUT2XX_R_00.01.14.7](#).

Notice: This device has entered it's EOL (End of Life) cycle. For more information, visit our EOL policy [here](#). Temporarily, some content in this page might not match features found in firmware listed above.

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Summary

Load Balancing provides the possibility create policies and rules that divide traffic between different interfaces.

This chapter of the user manual provides an overview of the Load Balancing page for RUT230 devices.

Policies

The **Policies** section contains Load Balancing policies. One default policy named **Balanced** is already in place. You can edit this default policy or create a new custom policy.

Policies				
Policy	Members assigned	Ratio	Sort	
balanced	Wired Mobile	3 2		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

To configure a Policy, click the **Edit** button located next to it, after which you will be redirected to the Configuration window.

WAN Policy Configuration - balanced

Interface	Ratio	Sort	
Mobile	<input type="text" value="3"/>		<input type="button" value="Delete"/>
Wired	<input type="text" value="2"/>		<input type="button" value="Delete"/>

As you can see from the image above, the configuration is very simple. You can assign ratio values to WAN interfaces. The ratio values represent a percentage of load that will go through an interface. For example, in the default configuration 3 parts of traffic will go through the Mobile interface and 2 parts will go through the Wired interface, which means roughly 60% (3/5) of data will be transferred through Mobile, 40% (2/5) through Wired. If the ratios would be different, say Mobile: 5, Wired: 10, then 33% (5/15) of data would be transferred through Mobile, and 66% (10/15) would go through Wired.

Rules

The **Rules** section contains Load Balancing rules. One default rule named **default_rule** is already in place. You can edit this default rule or create a new custom rule.

Rules							
Rule	Source address	Source port	Destination address	Destination port	Protocol	Policy assigned	Sort
default_rule	—	—	0.0.0.0/0	—	all	balanced	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

To configure a rule, click the **Edit** button located next to it, after which you will be redirected to the Configuration window.

Load Balancing Rule Configuration - default_rule

Source address

Source port

Destination address

Destination port

Protocol

Policy assigned

field name	value	description
Source address	ip; Default: none	Source IP address. Can be specified in CIDR notation (eg "192.168.1.0/24" without quotes).
Source port	number; Default: none	Source port number. May be entered as a single or multiple ports (eg "21" or "80,443" without quotes).

Destination address	ip; Default: 0.0.0.0/0	Destination IP address. Can be specified in CIDR notation (eg "192.168.1.0/24" without quotes).
Destination port	number; Default: none	Destination port number. May be entered as a single or multiple ports (eg "21" or "80,443" without quotes).
Protocol	all ip #hopopt icmp igmp ggp ipencap st tcp egp igp pup udp hmp xns rdp iso xtp ddp idpr ipv6 ipv6 ipv6 idrp rsvp gre esp ah skip ipv6 ipv6 ipv6 rspf vmtp eigrp ospf ax ipip etherip encap pim ipcomp vrrp l2tp isis sctp fc; Default: all	Which protocol to use.
Policy assigned	policies; Default: balanced	Policy to use for this rule.