

# RUT900 QoS

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The information in this page is updated in accordance with firmware version [RUT9XX\\_R\\_00.06.09.5](#).



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## Summary

**QoS** provides the possibility to prioritize network traffic based on hosts, ports or services and limit download & upload speeds on a selected interface.

This chapter of the user manual provides an overview of the **QoS** page in RUT900 devices.

## Interfaces

The **Interfaces** section is used to set up download and upload speed limits on the device's network interfaces.



Field	Value	Description
Interface	WAN   LAN   WiFi_WAN   Mobile	Interface to which the rule applies.
Enable	yes   no; default: <b>no</b>	Turns the rule on or off.
Calculate overhead	yes   no; default: <b>no</b>	Decreases upload and download ratio to prevent link saturation.
Download speed (kbit/s)	integer; default: <b>none</b>	Maximum download speed for the specified interface.
Upload speed (kbit/s)	integer; default: <b>none</b>	Maximum upload speed for the specified interface.

## Classification Rules

The **Classification Rules** section is used to configure rules that prioritize certain traffic over other, less important traffic. This traffic can be defined by a source or destination host, port or a network protocol. Traffic that matches a rule with higher preference will be handled with higher priority.

Generally, this should be used in cases where you want to isolate certain types of traffic in order to make sure the RUT900 is handling more important traffic (for example, video streaming, SSH) at a higher priority and less important traffic (FTP, HTTP) at a lower priority.



Field	Value	Description
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Target	Priority   Express   Normal   Low; default: <b>Normal</b>	Defines the priority of handling the type of traffic defined in this rule.
Source host	All   IP; default: <b>All</b>	Host(s) from which data will be transmitted.
Destination host	All   IP; default: <b>All</b>	Host(s) to which data will be transmitted.
Protocol	All   TCP   UDP   ICMP   -- custom --; default: <b>All</b>	Data transmission protocol to match the rule.
Ports	All   integer [0..65535]; default: <b>none</b>	Port number(s) to match the rule. You can enter multiple ports by separating them by commas (e.g., 22,53,80).
Number of bytes	integer; default: <b>none</b>	Maximum number of bytes for this connection.