

RUT956 WAN

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The information in this page is updated in accordance with firmware version [RUT9M_R_00.07.04.5](#).



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Summary





The **WAN** page is used to to set up WAN network interfaces, which are used to connect device with external networks.

This manual page provides an overview of the WAN windows in RUT956 devices.

WAN

The **WAN** section displays WAN network interfaces currently existing on this device.

NETWORK INTERFACES

1	wan	Status: Up Failover: Disabled Type: Wired	IP: 192.168.91.213/24 Protocol: dhcp MAC: 00:1E:42:HIDDEN	Uptime: 0h 3m 26s TX: 7.32 KB RX: 405.61 KB	
2	wan6	Status: Down Failover: Disabled Type: Wired	IP: - Protocol: dhcpv6 MAC: 00:1E:42:HIDDEN	Uptime: - TX: 7.32 KB RX: 405.61 KB	
3	mob1s1a1	Status: Up Failover: Disabled Type: Mobile	IP: 10.26.71.219/32 APN: Auto (wap) SIM: 1	Uptime: 0h 41m 5s TX: 32.66 KB RX: 26.41 KB	
4	mob1s2a1	Status: Down Failover: Disabled Type: Mobile	IP: - APN: Auto SIM: 2	Uptime: - TX: 0.00 B RX: 0.00 B	

From here you can turn the interfaces on or off, change their priority* or enter an [interface's](#)

[configuration page](#).

* You can change the priority by dragging and dropping an interface to another position. Moving an interface changes its metric value in the configuration file. Interfaces that are higher on the list have greater priority.


Interface configuration

This section provides information on **WAN interface configuration**. There are two types of WAN interfaces on the device:

- **Ethernet WAN**
- **Mobile WAN**

Each supports different types of protocols and setups, which are described in the sections below.

To begin configuring an interface, click the 'Edit' button on the right side of the interface:

1 wan	Status: Up Failover: Disabled Type: Wired	IP: 192.168.91.213/24 Protocol: dhcp MAC: 00:1E:42:HIDDEN	Uptime: 0h 54m 2s TX: 53.02 KB RX: 5.75 MB	
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Static

The **static address** protocol uses a predefined manual configuration instead of obtaining parameters automatically via a DHCP lease.

Static: General Settings

INTERFACES: WAN

Hostname to send when requesting DHCP

SAVE & APPLY

Field	Value	Description
Hostname to send when requesting DHCP	string; default: none	A hostname for this interface used to identify this machine on the DHCP server.

Mobile

The **Mobile** protocol is used to set up an interface which can establish a mobile WAN connection.

Mobile: General Settings

INTERFACES: MOB1S1A1

Mode

PDP type

SIM

Auto APN off on

Provided APN: wap

Field	Value	Description
Mode	NAT Bridge Passthrough; default: NAT	<p>Mobile connection operating mode.</p> <ul style="list-style-type: none"> • NAT - the mobile connection uses NAT (network address translation). • Bridge - bridges the LTE data connection with LAN. The device assigns its WAN IP address to another device (first connected to LAN or specified with MAC address). Using Bridge mode will disable most of the device's capabilities. • Passthrough - in this mode the RUT956 shares its WAN IP to a single LAN device (first connected to LAN or specified with MAC address). The LAN device will get WAN IP of RUT956 instead of LAN IP. Using Passthrough mode will disable most of the device's capabilities.
SIM	SIM1 SIM2; default: SIM1	Selects which SIM slot will be used for this interface.
Auto APN	off on; default: on	<p>The Auto APN feature scans an internal Android APN database and selects an APN based on the SIM card's operator and country. If the first automatically selected APN doesn't work, it attempts to use the next existing APN from the database.</p> <p>An Access Point Name (APN) is a gateway between a GSM, GPRS, 3G or 4G mobile network and another computer network. Depending on the contract, some operators may require you to use an APN just to complete the registration on a network. In other cases, APN is used to get special parameters from the operator (e.g., a public IP address) depending on the contract.</p>
APN / Custom APN	string; default: none	<p>An APN Network Identifier cannot start with any of the following strings:</p> <ul style="list-style-type: none"> • rac; • lac; • sgsn; • rnc; <p>it cannot end in:</p> <ul style="list-style-type: none"> • .gprs; <p>and it cannot contain the asterisk symbol (*).</p>
Bridge Passthrough: MAC Address	mac; default: none	<p>Specifies the MAC address of the device that will receive the mobile interface's IP address in Bridge or Passthrough mode. Note: this field only becomes visible when using Bridge or Passthrough mode.</p>

Mobile: Mobile Data Limit

The **Mobile Data Limit** section provides you with the possibility to set data usage limits for your mobile network interfaces and data usage warnings via SMS message in order to protect yourself from unwanted data charges.

In order to view the Mobile Data Limit section, the interface **protocol must be set to Mobile.**

MOBILE DATA LIMIT

Enable data connection limit off on

Data limit* (MB)

Period

Start hour

Enable SMS warning off on

Data limit* (MB)

Phone number

[CLEAR COLLECTED DATA](#)

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[SAVE & APPLY](#)

Field	Value	Description
Enable data connection limit	off on; default: off	Turns mobile data limitations on or off.
Data limit* (MB)	integer; default: 1000	The amount of data that is allowed to be downloaded over the specified period of time. When the limit is reached, the device will no longer be able to establish a data connection until the period is over or the data limit is reset.
Period	Month Week Day; default: Day	Data limit period after which the data counter is reset on the specified <i>Start day</i> .
Start day Start hour	day [1..31] day [Monday..Sunday] hour [1..24]; default: hour 0	Specifies when the period of counting data usage should begin. After the period is over, the limit is reset and the count begins over again.
Enable SMS warning	off on; default: off	Turns SMS warning on or off. When turned on and configured, sends an SMS message to a specified number after the SIM card uses a specified amount of data.
Data limit* (MB)	integer; default: none	The received data limit before sending an SMS warning. After reaching using the the amount of data specified in this field, the router will send an SMS warning message to the specified phone number.
Phone number	phone number; default: none	Recipient's phone numbers.

Clear Collected
Data

- (interactive button)

Clears the data limit counter.