

# Template:Networking rut8xx manual network wan

## WAN

The **WAN** section displays information about the Main and Backup WAN connections. The figure below is an example of the Mobile page:

[[File:{{{file\_wan}}}]]

| Field             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface         | WAN type. Possible values are: <ul style="list-style-type: none"><li>• Mobile</li><li>• Wired</li><li>• Wireless</li></ul> [[{{{name}}}_Mobile#Mobile_Configuration[Connection type]] or [[{{{name}}}_WAN#Common_Configuration[protocol]]. The value displayed in this field is dependent on used WAN type. Possible values are: <ul style="list-style-type: none"><li>• <b>Mobile WAN</b><ul style="list-style-type: none"><li>- <b>QMI</b> - Qualcomm MSM Interface, a proprietary protocol used between Qualcomm cellular processors and their software stacks</li><li>- <b>PPP</b> - Point-to-Point Protocol; uses a dialling number to establish a data connection</li></ul></li><li>• <b>WiFi WAN</b><ul style="list-style-type: none"><li>- <b>DHCP</b> - Dynamic Host Configuration Protocol; the WAN network interface controller acts as a DHCP client, meaning that it receives a dynamically assigned IP address and other network configuration parameters</li><li>- <b>Static</b> - WAN network interface controller configuration parameters are set manually (used when the WAN gateway is not a DHCP server)</li></ul></li></ul> |
| Type              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| IP address        | Router's WAN IP address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| WAN MAC           | MAC address of the WAN network interface controller (WiFi radio). This field is only visible if main WAN is set to WiFi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Netmask           | A <a href="#">netmask</a> is used to define how "large" a network is by specifying which part of the IP address denotes the network and which part denotes the device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gateway           | Gateway of the default route - an IP address through which the router reaches the Internet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DNS               | DNS servers used by the main WAN connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Connected         | Currently used WAN connection uptime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Backup WAN Status | Displays the router's current WAN failover status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Refresh           | Refreshes all information fields in the page                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

WAN settings can be customized via the **Network** → [[{{{name}}} WAN|WAN]] page.