

RUTX08 Devices

[Main Page](#) > [RUTX Routers](#) > [RUTX08](#) > [RUTX08 Manual](#) > [RUTX08 WebUI](#) > [RUTX08 Network section](#) > **RUTX08 Devices**

The information in this page is updated in accordance with firmware version [RUTX_R_00.07.09](#).

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Contents

- [1 VXLAN](#)
- [2 Device configuration](#)
- [3 Configuration](#)

VXLAN

Virtual Extensible LAN is a tunneling interface protocol (VXLAN), which allows VXLAN layer 2 virtualization over layer 3 network. VXLAN establishes a logical tunnel between the source and destination network devices, through which it uses MAC-in-UDP encapsulation for packets. In addition, it helps customer sites to configure layer2 VPN.

Note: VXLAN is additional software that can be installed from the **System** → [Package Manager](#) page.

If you're having trouble finding this page or some of the parameters described here on your device's WebUI, you should **turn on "Advanced WebUI" mode**. You can do that by clicking the "Advanced" button, located at the top of the WebUI.

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Device configuration

The Device configuration section is used to set up VXLAN devices.

To add a new device - select 'VXLAN' and click 'Add' button:

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After clicking 'Add' you will be redirected to the newly added VXLAN device configuration page.

Configuration

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Field

Value

Description

| | | |
|------------------|--|--|
| Name | string; default: vxlan1 | Name of the device. |
| MAC address | mac; default: empty | Override MAC address of the device. If not set, the device's MAC address will be used. |
| MTU | integer [98..9000]; default: empty | Sets the maximum transmission unit (MTU) size. It is the largest size of a protocol data unit (PDU) that can be transmitted in a single network layer transaction. |
| VNI | integer [1..16777215]; default: 1 | VXLAN network identifier. |
| PORT | integer [1..65535]; default: 4789 | VXLAN network identifier. |
| Local address | ip; default: none | Sets the local source IP address for VXLAN tunneling. |
| Remote address | ip; default: none | Specifies the multicast group or remote IP address used for VXLAN tunneling. |
| Ageing | integer [1..4294967295]; default: empty | Specifies the lifetime in seconds of FDB entries learnt by the kernel. |
| Max FDB entries | integer [1..4294967295]; default: empty | Specifies the maximum number of FDB entries. |
| IPv4 checksum | off on; default: off | Specifies if UDP checksum is calculated for transmitted packets over IPv4. |
| Learning | off on; default: off | Enables or disables MAC learning for VXLAN. |
| Proxy | off on; default: off | Enables or disables ARP proxy for VXLAN. |
| RSC | off on; default: off | Specifies if route short circuit is turned on. |
| L2miss | off on; default: off | Specifies if netlink LLADDR miss notifications are generated. |
| L3miss | off on; default: off | Specifies if netlink IP ADDR miss notifications are generated. |
| IPv6 TX checksum | off on; default: off | Enables or disables UDP checksum calculation for transmitted packets over IPv6. |
| IPv6 RX checksum | off on; default: off | Allow incoming UDP packets over IPv6 with zero checksum field. |