

RUTXR1 Devices

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

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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.