

# TRB140 Configuration Examples

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This page contains various configuration guides for the TRB140 router. Unlike the articles in the [TRB140 Manual](#), which provide more general knowledge on all of the router's features and functions, these guides are more in-depth and are usually focused on specific configuration scenarios with extensive explanations. While most of the guides apply to both Windows and Linux Operating Systems, some are exclusive to one OS and others aren't OS specific in any way and apply to any system.

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## Router control and monitoring

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## Modbus

- [Monitoring via Modbus](#)
- [Modbus custom register block RutOS](#)
- [Modbus TCP Slave Send SMS example](#)

## DNP3

- [DNP3\\_TCP\\_Master](#)

## DLMS

- [DLMS client configuration example](#)

## System upgrades

- [Firmware upgrade via command line](#)

## Modem control

- [AT Commands](#)
- [Locking Devices to a Mobile Cell](#)
- [RUTOS gsmctl Commands](#)
- [Multi-APN \(Multiple PDN\)](#)

## LAN

- [Setting up a PPPoE between Teltonika Networks router and a Mikrotik device](#)
- [VLAN Inter-Zone accessibility control configuration example](#)

# Connection backup

- [OSPF Route Failover](#)
- [VRRP](#)
- [Starlink\\_Failover\\_Configuration](#)

# VPN

- [DMVPN](#)
- [OpenVPN configuration example](#)
- [IPsec cofiguration example](#)
- [ZeroTier One VPN configuration example](#)
- [ZeroTier](#)
- [L2TP configuration examples](#)
- [Overlapping subnets with IPsec solution](#)
- [GRE over IPsec Tunnel](#)
- [L2TP over IPsec RutOS](#)
- [Cisco IPsec](#)
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- [Setting up a GRE over IPsec tunnel between Teltonika Networks and Cisco devices](#)
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- [Setting up an IPsec tunnel between RUT and Android phone](#)
- [Tinc VPN configuration examples](#)
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- [L2 LAN bridging over internet using L2TPv2+EoIP](#)
- [1NCE Configuration](#)
- [ExpressVPN](#)
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# DDNS

- [noip.com](#)
- [dynu.com](#)

# Email

- [Sending emails via command line](#)

# Camera

- [Camera access from VPN RUTOS](#)
- [Remote camera access](#)

- [Camera access from smartphone](#)

## PC

### Windows

- [Static IP address setup \(Windows 10\)](#)
- [OpenVPN client on Windows](#)
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- [TLS certificates \(Windows\)](#)
- [Wake on LAN PC setup \(Windows\)](#)

### Linux

- [Static IP address setup \(Ubuntu 16\)](#)
- [FTP server \(Ubuntu 16\)](#)
- [OpenVPN client on Linux](#)
- [TLS certificates \(Ubuntu 18\)](#)

### macOS

- [Setting up a Static IP address on macOS](#)

## SNMP

- [SNMP](#)

## Use cases

### VPN

- [Connecting two same subnet office networks using OpenVPN bridge \(TAP\)](#)
- [Connecting to the office network remotely from your home via VPN \(L2TP over IPsec\)](#)
- [Connecting to the office network remotely from your home via VPN \(OpenVPN\)](#)
- [Configuring clients to access internet through office's gateway from home using VPN](#)
- [Reaching your home network remotely with your Android device](#)
- [Bridged office network with a separate Guest WiFi](#)
- [Anonymous browsing from your home network using NordVPN](#)
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- [L2TPv3 over IPsec configuration example](#)

### I/O Juggler

- [SMS and Email alerts Triggered by BAT120](#)

### DHCP

- [DHCP Relay configuration example](#)
- [DHCP Relay over L2TPv3 example](#)

## Hardware application

- [Ignition detection solution](#)

## Third party services

### IoT platforms

- [Azure IoT Hub cloud connection](#)
- [Cumulocity](#)
- [da<sup>3</sup>vid](#)
- [AWS MQTT cloud connection](#)
- [BAG·Tower](#)
- [N3uron Notifier](#)
- [OpenRemote](#)