

RUT950 Configuration Examples

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This is the approved revision of this page, as well as being the most recent.

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This page contains various configuration guides for the RUT950 router. Unlike the articles in the **RUT950 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

- Configuration Backup
- Command line interfaces
- JSON-RPC (Windows)
- JSON-RPC (Linux)
- MQTT (Linux guide)
- Modbus (Linux guide)
- UCI command usage
- Crontabs
- Relayd
- SSH RSA key authentication (Linux)
- SSH RSA key authentication (Windows)
- Monitoring via Modbus
- Modbus custom register block

System upgrades

- Bootloader Upgrade
- Firmware via the Bootloader Menu
- Firmware upgrade via command line

Modem control

- AT Commands

- gsmctl commands

Connection backup

- VRRP

VPN

- How to generate TLS certificates (Windows)?
- OpenVPN configuration examples
- OpenVPN traffic split
- IPsec configuration examples
- GRE Tunnel configuration examples
- PPTP configuration examples
- L2TP configuration examples
- L2TP over IPsec
- L2TP over IPsec (Windows 10)
- DMVPN configuration
- ZeroTier One VPN configuration
- OpenVPN over Stunnel
- Setting a GRE tunnel via cli
- Setting up a GRE tunnel between RUT and Cisco device
- Setting up an IPsec tunnel between RUT and Cisco device
- Setting up a L2TP over IPsec tunnel between RUT and Mikrotik device
- Setting up an OpenVPN tunnel between RUT and Mikrotik device
- Setting up a SSTP tunnel between RUT and Mikrotik device

DDNS

- noip.com
- dnshdynamic.org
- dynu.com
- dyn.com

VLAN

- VLAN tag based configuration examples
- Use LAN port as WAN

Email

- Sending emails via command line

Camera

- Camera access from VPN
- Camera access from smartphone
- Remote camera access

PC

- Setting up a Static IP address on a Windows 10 PC
- Setting up a Static IP address on a Ubuntu 16.04 PC
- Setting up an FTP server on a Ubuntu 16.04 PC
- OpenVPN client on Windows
- OpenVPN client on Linux
- OpenVPN server on Windows

- Wake on LAN PC setup (Windows)

Use cases

- Connecting two same subnet office networks using OpenVPN bridge (TAP) on RUT9xx
- Connecting to the office network remotely from your home via VPN (L2TP over IPsec) using RUT9xx
- Configuring clients to access internet through office's gateway from home using VPN RUT9xx
- Anonymous browsing from your home network using NordVPN and RUT9xx router
- Anonymous browsing from your home network using ExpressVPN and RUT9xx router

Third party services

VPN

- vpngate.net
- vpnbook.com
- hide.me
- RUT9xx NordVPN configuration example
- RUT9xx ExpressVPN configuration example

IoT platforms

- Azure IoT Hub cloud connection
- Telenor cloud connection
- cobot.me

WiFi

- How to set up a guest WiFi network on RUT

- IdBlender Secure WiFi Setup
- ironwifi.com
- purple.ai

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