

# RUTXR1 Remote Monitoring & Administration

[Main Page](#) > [RUTX Routers](#) > [RUTXR1](#) > [RUTXR1 Manual](#) > **RUTXR1 Remote Monitoring & Administration**

RUTXR1 supports multiple monitoring and administration possibilities.

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## Contents

- [1 Remote control options](#)
  - [1.1 RMS](#)
  - [1.2 Public IP](#)
    - [1.2.1 HTTP access](#)
    - [1.2.2 SSH access](#)
  - [1.3 SMS](#)
  - [1.4 JSON-RPC](#)
  - [1.5 VPN](#)
  - [1.6 SNMP](#)
  - [1.7 Modbus TCP](#)
  - [1.8 MQTT](#)
  - [1.9 TR-069](#)
  - [1.10 DNP3](#)
  - [1.11 OPC UA](#)

## Remote control options

The RUTXR1 router supports the following remote control capabilities:

Remote control method	Can get parameters	Can set parameters
<a href="#">RMS</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">SSH</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">HTTP</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">SMS</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">JSON</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">VPN</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">SNMP</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">Modbus</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">MQTT</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">TR-069</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">DNP3</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<a href="#">OPC UA</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## RMS

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The **Remote Management System (RMS)** is designed to conveniently monitor and manage all your Teltonika networking devices. The system allows to securely gather status information of your

devices and to change their configuration even if the devices do not have public IP addresses.

RMS access can be configured from the **System** → **Administration** → [RMS](#) page.

## Public IP

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If you're using a SIM card that has a Public IP address (refer [here](#) for more information), you can reach the router via HTTP or SSH via its WAN IP address.

### HTTP access

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Remote **HTTP** access can be set up via the **System** → **Administration** → [Access Control](#) page.

### SSH access

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Remote **SSH** access can be set up via the **System** → **Administration** → [Access Control](#) page.

## SMS

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The router can be controlled via **SMS messages** using SMS utilities rules. SMS can be configured via the **Services** → **SMS Utilities** → [SMS Rules](#) page.

## JSON-RPC

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**JSON-RPC** access can be set up via the **System** → **Administration** → [Access Control](#) page.

## VPN

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**Virtual Private Networks (VPNs)** provide multiple flexible options on setting up remote access to the router and its LAN network. For more information on different types of VPNs supported by RUTXR1, visit the [VPN manual page](#).

## SNMP

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**Simple Network Management Protocol (SNMP)** is a protocol for network management, used for collecting information from network devices. For more information on SNMP in RUTXR1, visit the [SNMP manual page](#).

## Modbus TCP

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**Modbus** is a serial communications protocol used in communication with various types of industrial electronic devices. For more information on Modbus TCP in RUTXR1, visit the [Modbus manual page](#).

## MQTT

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**MQTT (MQ Telemetry Transport or Message Queue Telemetry Transport)** is a publish-subscribe-based "lightweight" messaging protocol for use on top of the TCP/IP protocol. For more information on MQTT in RUTXR1, visit the [MQTT manual page](#)

## TR-069

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**Technical Report 069 (TR-069)** is a technical specification of the Broadband Forum that defines an application layer protocol for remote management of customer-premises equipment (CPE) connected to an Internet Protocol (IP) network. For more information on TR-069 in RUTXR1, visit the [TR-069 manual page](#)

## DNP3

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**Distributed Network Protocol 3 (DNP3)** is a set of communications protocols used between components in process automation systems. For more information on DNP3 in RUTXR1, visit the [DNP3 manual page](#)

## OPC UA

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**OPC Unified Architecture (OPC UA)** is a cross-platform, open-source, IEC62541 standard for data exchange from sensors to cloud applications developed by the OPC Foundation. For more information on OPC UA in RUTXR1, visit the [OPC UA manual page](#)