TRB145 Remote Monitoring & Administration

TRB145 supports multiple monitoring and administration possibilities.

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Remote control options

The TRB145 gateway supports the following remote control capabilities:

Remote control method	Can get parameters	Can set parameters
RMS	✗	✗
SSH	✗	✗
HTTP	✗	✗
SMS	✗	✗
JSON	✗	✗
VPN	✗	✗
SNMP	✗	✗
Modbus	✗	✗
MQTT	✗	✗
TR-069	✗	✗
DNP3	✗	✗
OPC UA	✗	✗
BACnet	Acts as gateway	

RMS

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

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

Remote **HTTP** access can be set up via the **System → Administration → Access Control** page.

SSH access

Remote **SSH** access can be set up via the **System → Administration → Access Control** page.

SMS

The gateway can be controlled via **SMS messages** using SMS utilities rules. SMS can be configured via the **Services → SMS Utilities → SMS Rules** page.

JSON-RPC

JSON-RPC access can be set up via the **System → Administration → Access Control** page.

VPN

Virtual Private Networks (**VPNs**) provide multiple flexible options on setting up remote access to the gateway and its LAN network. For more information on different types of VPNs supported by TRB145, visit the **VPN manual page**.

SNMP

Simple Network Management Protocol (**SNMP**) is a protocol for network management, used for collecting information from network devices. For more information on SNMP in TRB145, visit the

SNMP manual page.

Modbus TCP

Modbus is a serial communications protocol used in communication with various types of industrial electronic devices. For more information on Modbus TCP in TRB145, visit the **Modbus manual page**.

MQTT

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 TRB145, visit the **MQTT manual page**

TR-069

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 TRB145, visit the **TR-069 manual page**

DNP3

Distributed Network Protocol 3 (DNP3) is a set of communications protocols used between components in process automation systems. For more information on DNP3 in TRB145, visit the **DNP3 manual page**

OPC UA

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 TRB145, visit the **OPC UA manual page**

BACnet

BACnet is a communication protocol for building automation and control (BAC) networks that use the ASHRAE, ANSI, and ISO 16484-5 standards protocol. For more information on BACnet in TRB145, visit the **BACnet manual page**