# RUT142 TR-069



The information in this page is updated in accordance with firmware version **RUT14X_R_00.07.07.1**.

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## Summary

**TR-069** (**Technical Report 069**) is an application layer protocol designed for management of equipment connected to a remote network.

This chapter of the user manual provides an overview of the UPnP page in RUT142 devices.

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TR-069 is additional software that can be installed from the **System → Package Manager** page.

## TR-069 Client Configuration

| Field | Value | Description |
|---|---|---|
| Enable | off \| on; default: **off** | Turns TR-069 client on or off. |
| Periodic enable | off \| on; default: **on** | Turns periodic data transmissions to server on or off. |
| Accept server request | off \| on; default: **off** | When enabled the device accepts connection requests from servers. |
| Sending interval | integer [60..9999999]; default: **100** | Periodic data transmission frequency (in seconds). |
| Username | string; default: **easycwmp** | Username used for authentication to a TR-069 server. |
| Password | string; default: **easycwmp** | Password used for authentication to a TR-069 server. |

| | | |
|---|---|---|
| URL | host \| ip; default: **http://192.168.1.110:8080/openacs/acs** | IP address or hostname of a TR-069 server. |

# Management via TR-069

TR-069 can be used to set or get values from RUT devices. Below is a list of commands used for device management via TR-069.

- R - read only;
- RW - read/write;
- string(64) - 64 bit string;
- string(256) - 256 bit string;
- unsignedInt - integer storing only positive values.

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**Device Information**:

1. **DeviceInfo.HardwareVersion** - device hardware version (e.g., 0201) R
2. **DeviceInfo.Manufacturer** - device manufacturer (e.g., Teltonika) R
3. **DeviceInfo.ManufacturerOUI** - organizationally unique identifier of the device manufacture (e.g., 001E42) R
4. **DeviceInfo.ProductClass** - device model (e.g., RUT142) R
5. **DeviceInfo.ProvisioningCode** - provisioning code
6. **DeviceInfo.SerialNumber** - device serial number (e.g., 1000111111) R
7. **DeviceInfo.SoftwareVersion** - device software version (e.g., RUT14X_R_00.0X.XX) R
8. **DeviceInfo.SpecVersion** - device special version (e.g., 1.0) R

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**Device IP interface information**:

1. **IP.Interface.1.Enable** - interface enabled/disabled (e.g., true) R
2. **IP.Interface.1.IPv4Address.1.Enable** - IPv4 address enabled/disabled (e.g., 1) R
3. **IP.Interface.1.IPv4Address.1.IPAddress** - IPv4 address (e.g., 192.168.1.1) R
4. **IP.Interface.1.Name** - interface name (e.g., lan) R

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**Device Management Server information**:

1. **ManagementServer.ConnectionRequestPassword** - connection request password (e.g., randompassword) R
2. **ManagementServer.ConnectionRequestURL** - connection request URL R
3. **ManagementServer.ConnectionRequestUsername** - connection request username (e.g., 001E42-RUTX14-0000000000) R
4. **ManagementServer.ParameterKey** -
5. **ManagementServer.Password** -
6. **ManagementServer.PeriodicInformEnable** - enabled/disabled TR-069 client periodic data transmission to TR-069 server (e.g., true) R

7. **ManagementServer.PeriodicInformInterval** - periodic data transmission interval (e.g., 300) R
8. **ManagementServer.PeriodicInformTime** - periodic information time (e.g., 1/1/1970, 8:09:27 PM) R
9. **ManagementServer.URL** - server URL R
10. **ManagementServer.Username** - server username R

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**Device ID information**:

1. **DeviceID.ID** - device ID (e.g., 001E42-RUTX14-0000000000) R
2. **DeviceID.Manufacturer** - device manufacturer (e.g., Teltonika) R
3. **DeviceID.OUI** - organizationally unique identifier of the device manufacture (e.g., 001E42) R
4. **DeviceID.ProductClass** - product class (e.g., RUTXXX) R
5. **DeviceID.SerialNumber** - device serial number R

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**Events information**:

1. **Events.0_BOOTSTRAP** - bootstrap time R
2. **Events.1_BOOT** - boot time R
3. **Events.Inform** - information time R
4. **Events.Registered** - events reg time R