TRB145 TR-069

The information in this page is updated in accordance with firmware version **TRB1_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 TRB145 devices.

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.

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., TRB145) R
5. **DeviceInfo.ProvisioningCode** - provisioning code
6. **DeviceInfo.SerialNumber** - device serial number (e.g., 1000111111) R
7. **DeviceInfo.SoftwareVersion** - device software version (e.g., TRB1_R_00.0X.XX) R
8. **DeviceInfo.SpecVersion** - device special version (e.g., 1.0) R

Device Mobile Information:

1. **MobileInfo.Modem.1-1.CellID** - cell ID
2. **MobileInfo.Modem.1-1.ConnState** - connection state (e.g., Connected) R
3. **MobileInfo.Modem.1-1.ConnType** - connection type (e.g., LTE) R
4. **MobileInfo.Modem.1-1.EARFCN** - absolute radio frequency channel number (e.g., 75) R
5. **MobileInfo.Modem.1-1.ECIO** - signal, measured in dB R
6. **MobileInfo.Modem.1-1.ICCID** - SIM ICCID R
7. **MobileInfo.Modem.1-1.IMEI** - modem IMEI R
8. **MobileInfo.Modem.1-1.IMSI** - international mobile subscriber identity R
9. **MobileInfo.Modem.1-1.LAC** - location area code R
10. **MobileInfo.Modem.1-1.Manufacture** - modem manufacture R
11. **MobileInfo.Modem.1-1.Model** - modem model R
12. **MobileInfo.Modem.1-1.NeighbourCells** - neighbour cells (e.g., intra,LTE,75,109,-13,-104,-71,0,23,5,12,10,255) R
13. **MobileInfo.Modem.1-1.NetState** - operator state (e.g., Registered, home) R
14. **MobileInfo.Modem.1-1.Operator** - operator name R
15. **MobileInfo.Modem.1-1.OperatorNum** - operator number R
16. **MobileInfo.Modem.1-1.PCI** - physical cell identity R
17. **MobileInfo.Modem.1-1.PinState** - pin state (e.g., OK) R
18. **MobileInfo.Modem.1-1.RSCP** - signal, measured in dBm R

19. **MobileInfo.Modem.1-1.RSRP** - signal, measured in dBm R
20. **MobileInfo.Modem.1-1.RSRQ** - signal, measured in dB R
21. **MobileInfo.Modem.1-1.RSSI** - signal, measured in dBm R
22. **MobileInfo.Modem.1-1.ReceivedThisMonth** - data received this month R
23. **MobileInfo.Modem.1-1.ReceivedToday** - data received today R
24. **MobileInfo.Modem.1-1.Revision** - modem firmware R
25. **MobileInfo.Modem.1-1.SINR** - signal, measured in dB R
26. **MobileInfo.Modem.1-1.SentThisMonth** - data sent this month R
27. **MobileInfo.Modem.1-1.SentToday** - data sent today R
28. **MobileInfo.Modem.1-1.Serial** - modem serial number R
29. **MobileInfo.Modem.1-1.SimState** - sim state (e.g., Inserted) R
30. **MobileInfo.Modem.1-1.TAC** - tracking area code R
31. **MobileInfo.Modem.1-1.Temperature** - modem temperature R

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

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

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

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