RUT240 SNMP (legacy WebUI)

The information in this page is updated in accordance with firmware version **RUT2XX_R_00.01.14.7**.

***Note**: this user manual page is for RUT240's old WebUI style available in earlier FW versions. **Click here** for information based on the latest FW version.*

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Summary

Simple Network Management Protocol (SNMP) is a popular protocol for network management. It is used for collecting information from, and configuring, network devices.

This manual page provides an overview of the SNMP function in RUT240 devices.

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

MIB file downloads

FIELD ROUTER	MIB FILE
RUT2XX	**TLT-MIB_RUT2XX**
RUT9XX	**TLT-MIB_RUT9XX**

SNMP Configuration

Field	Value	Description
MIB file	- (interactive button)	Downloads the MIB file for this device.

Enable SNMP service	yes | no; default: **no**	Turns SNMP on or off.
Enable remote access	yes | no; default: **no**	Opens a port (set in the field below) in the Firewall settings so that the SNMP service may be reached remotely from WAN.
Port	integer [0..65535]; default: **161**	SNMP service port.
Community	Public | Private | Custom; default: **Public**	SNMP Community is an ID that allows access to a router's SNMP data.
Location	string; default: **Location**	SysLocation object. Arbitrary SNMP variable that represents a custom location.
Contact	string; default: **email@example.com**	SysContact object. Arbitrary SNMP variable that represents a contact Name.
Name	string; default: **Name**	SysName object. Arbitrary SNMP variable that represents the system's Name.
SNMP version	v1/v2 | v1/v2/v3 | v3; default: **v1/v2**	Specifies which SNMP version is to be used.

Trap Settings

Field	Value	Description
SNMP trap	yes | no; default: **no**	Turns SNMP trap on or off.
Host/IP	host | ip; default: **none**	Host to transfer SNMP traffic to.
Port	integer [0..65535]; default: **162**	Port number of the trap's host.
Community	Public | Private; default: **Public**	SNMP Community is an ID that allows access to a router's SNMP data.

List of traps

NAME	DESCRIPTION
Signal strength trap	A message will be sent when the mobile signal strength drops below specified value.
Connection type trap	A message will be sent when connection type changes, e.g. GSM changes to WCDMA.
Digital input trap	A message will be sent when digital input state will change to a specified one.
Digital output trap	A message will be sent when digital output state will change to a specified one.

SNMP Variables list

NAME	OID	DESCRIPTION
Device		
ModemImei.0	.1.3.6.1.4.1.48690.1.1.0	Modem IMEI
ModemModel.0	.1.3.6.1.4.1.48690.1.2.0	Modem model
ModemManufacturer.0	.1.3.6.1.4.1.48690.1.3.0	Modem manufacturer
ModemRevision.0	.1.3.6.1.4.1.48690.1.4.0	Modem revision
ModemSerial.0	.1.3.6.1.4.1.48690.1.5.0	Modem serial number
Imsi.0	.1.3.6.1.4.1.48690.1.6.0	Modem IMSI
RouterName.0	.1.3.6.1.4.1.48690.1.7.0	Router's name
ProductCode.0	.1.3.6.1.4.1.48690.1.8.0	Router's Product code
BatchNumber.0	.1.3.6.1.4.1.48690.1.9.0	Router's batch number
HardwareRevision.0	.1.3.6.1.4.1.48690.1.10.0	Router's Hardware Revision number
Mobile		

SimState.0	.1.3.6.1.4.1.48690.2.1.0	SIM card status
PinState.0	.1.3.6.1.4.1.48690.2.2.0	PIN status
NetState.0	.1.3.6.1.4.1.48690.2.3.0	Mobile network registration status
Signal.0	.1.3.6.1.4.1.48690.2.4.0	Signal strength level
Operator.0	.1.3.6.1.4.1.48690.2.5.0	Operator currently in use
OperatorNumber.0	.1.3.6.1.4.1.48690.2.6.0	Operator number (MCC+MNC)
ConnectionState.0	.1.3.6.1.4.1.48690.2.7.0	Data session connection state
ConnectionType.0	.1.3.6.1.4.1.48690.2.8.0	Data session connection type
Temperature.0	.1.3.6.1.4.1.48690.2.9.0	Modem's temperature in 0.1 degrees Celsius
ReceivedToday.0*	.1.3.6.1.4.1.48690.2.10.0	The current day's RX packet count
SentToday.0*	.1.3.6.1.4.1.48690.2.11.0	The current day's TX packet count
ReceivedYesterday.0*	.1.3.6.1.4.1.48690.2.12.0	Yesterday's RX packet count
SentYesterday.0*	.1.3.6.1.4.1.48690.2.13.0	Yesterday's TX packet count
FirmwareVersion.0	.1.3.6.1.4.1.48690.2.14.0	Router's Firmware version
SimSlot.0	.1.3.6.1.4.1.48690.2.15.0	SIM slot currently in use
RouterUptime.0	.1.3.6.1.4.1.48690.2.16.0	Router up-time in seconds
ConnectionUptime.0	.1.3.6.1.4.1.48690.2.17.0	Mobile connection up-time in seconds
MobileIP.0	.1.3.6.1.4.1.48690.2.18.0	IP address of the mobile interface
Sent.0*	.1.3.6.1.4.1.48690.2.19.0	The amount of data sent through the mobile interface
Received.0*	.1.3.6.1.4.1.48690.2.20.0	The amount of data received through the mobile interface
CellID.0	.1.3.6.1.4.1.48690.2.21.0	ID of the current mobile operator's cell
SINR.0	.1.3.6.1.4.1.48690.2.22.0	SINR value in dB
RSRP.0	.1.3.6.1.4.1.48690.2.23.0	RSRP value in dBm
RSRQ.0	.1.3.6.1.4.1.48690.2.24.0	RSRQ value in dB
iccid.0	.1.3.6.1.4.1.48690.2.25.0	ICCID value for current SIM
Hotspot**		
hotSpotId.0	.1.3.6.1.4.1.48690.3.1.1.0	Hotspot ID
hotSpotSsid.0	.1.3.6.1.4.1.48690.3.1.2.0	Hotspot SSID
hotSpotEnableState.0	.1.3.6.1.4.1.48690.3.1.3.0	Hotspot status (enabled or disabled)
hotSpotIP.0	.1.3.6.1.4.1.48690.3.1.4.0	Hotspot interface IP address
hotSpotDownloadBandWidth.0	.1.3.6.1.4.1.48690.3.1.5.0	Hotspot download bandwidth
hotSpotUploadBandWidth.0	.1.3.6.1.4.1.48690.3.1.6.0	Hotspot upload bandwidth
hotSpotUsers.0	.1.3.6.1.4.1.48690.3.1.7.0	Hotspot users list
hotSpotUsersPass.0	.1.3.6.1.4.1.48690.3.1.8.0	Hotspot users password list
hotSpotUsersActive.0	.1.3.6.1.4.1.48690.3.1.9.0	List of active Hotspot users
hotSpotUsersMac.0	.1.3.6.1.4.1.48690.3.1.10.0	Hotspot users MAC address list
hotSpotUsersIp.0	.1.3.6.1.4.1.48690.3.1.11.0	Hotspot users IP address list
hotSpotUsersStartTime.0	.1.3.6.1.4.1.48690.3.1.12.0	Hotspot users log in time list
hotSpotUsersUseTime.0	.1.3.6.1.4.1.48690.3.1.13.0	Hotspot users log in up-time list
hotSpotUsersDownload.0	.1.3.6.1.4.1.48690.3.1.14.0	Hotspot users downloaded data count
hotSpotUsersUpload.0	.1.3.6.1.4.1.48690.3.1.15.0	Hotspot users uploaded data count
hotSpotEndTime.0	.1.3.6.1.4.1.48690.3.1.16.0	Hotspot
Input/Output		
DigitalInput.0	.1.3.6.1.4.1.48690.5.1.0	Digital input state
DigitalIsolatedInput.0	.1.3.6.1.4.1.48690.5.2.0	Digital isolated input state
AnalogInput.0	.1.3.6.1.4.1.48690.5.3.0	Analog input state
DigitalOCOutput.0	.1.3.6.1.4.1.48690.5.4.0	Digital OC output state
DigitalRelayOutput.0	.1.3.6.1.4.1.48690.5.5.0	Digital Relay output state
AnalogInputCalc.0	.1.3.6.1.4.1.48690.5.6.0	Analog input value

* Mobile data usage values can only be obtained with **SNMP v2 or v3**.
** Values from second, third or fourth hotspot instance can be taken by changing X value .1.3.6.1.4.1.48690.3.**X**.1.0, possible values are 1 - 4.