

Template:Networking rutxxx manual network mobile 3g

Mobile

The **Mobile** section displays information about the mobile connection and the SIM card in use. The figure below is an example of the Mobile page:

[[File:{{{file_mobile}}}]]

field name	description
Data connection state	Indicates whether the device has an active mobile data connection.
IMEI	The IMEI (International Mobile Equipment Identity) is a unique 15 decimal digit number used to identify cellular modules. GSM network operators use the IMEI to identify devices in their networks.
IMSI	The IMSI (international mobile subscriber identity) is a unique 15 decimal digit (or less) number used to identify the user of a cellular network.
ICCID	SIM card's ICCID is a unique serial number used to identify the SIM chip.
SIM card state	The current SIM card state. Possible values are: <ul style="list-style-type: none">• Ready - SIM card is inserted and ready to be used• Inserted - SIM card is inserted• Not inserted - SIM card is not inserted• Unknown - unable to obtain SIM card state value. Possible communication issue between the the device and the modem
Signal strength	Received signal strength indicator (RSSI) measured in dBm. Values closer to 0 indicate a better signal strength.
Cell ID	The ID of the cell that the modem is currently connected to.
Signal level measurements	Overall signal quality is defined by different measurements for different connection types. Short explanations and recommendations are provided below. Click here for more in-depth information or click on one of the links below: <ul style="list-style-type: none">• 3G<ul style="list-style-type: none">- EC/IO - downlink carrier-to-interference ratio. Values range from -20 to 0 (closer to 0 indicates better signal quality/cleanliness)- RSCP - received signal code power. Values range from -124 to 0 (closer to 0 indicates better signal strength)• 2G<ul style="list-style-type: none">- RSSI - received signal strength indicator, measured in dBm. Values closer to 0 indicate better signal strength
Operator	Network operator's name.
Operator state	Shows whether the network has currently indicated the registration of the mobile device. Possible values are: <ul style="list-style-type: none">• Unregistered - not registered to a network and the device is not currently searching for a new operator to register to• Registered (home) - registered, home network• Searching - not registered to a network, but the device is currently searching for a new operator to register to• Network denied - registration to network denied by operator• Unknown - operator state is currently unknown• Registered (roaming) - registered to network, roaming conditions
Connection type	Mobile connection connection type. Possible values are: <ul style="list-style-type: none">• 2G: 2G (GSM), 2G (GPRS), 2G (EDGE)• 3G: 3G (WCDMA), 3G (HSDPA), 3G (HSUPA), 3G (HSPA), 3G (HSPA+), 3G (DC-HSPA+), 3G (HSDPA+HSUPA), UMTS• N/A - not possible to determine at the moment
Connected band	Currently used frequency band. For more information on supported frequency bands, {{{name}}} Supported Frequency Bands [click here] .
Bytes received	Amount of data received through the mobile interface.
Bytes sent	Amount of data sent through the mobile interface.
Restart Modem	Reboots the device's cellular module.
Restart Connection	Restarts the mobile connection.
(Re)register	Registers to the mobile network.
Refresh	Refreshes all information fields in the page.