Rocky Enterprise Linux 9.2 Manual Pages on command 'qmicli.1'

$ man qmicli.1

QMICLI(1) User Commands QMICLI(1)

NAME

qmicli - Control QMI devices

DESCRIPTION

Usage:

qmicli [OPTION?.?] - Control QMI devices

Help Options:

-h, --help

Show help options

--help-all

Show all help options

--help-dms

Show Device Management Service options

--help-nas

Show Network Access Service options

--help-wds

Show Wireless Data Service options

--help-pbm

Show Phonebook Management options

--help-pdc

Show platform device configurations options

--help-uim

Show User Identity Module options

--help-sar

Show Specific Absorption Rate options

--help-wms

Show Wireless Messaging Service options

--help-wda

Show Wireless Data Administrative options

--help-voice

Show Voice Service options

--help-loc

Show location options

--help-qos

Show Quality of Service options

--help-gas

Show General Application Service options

--help-gms

Show General Modem Service options

--help-dsd

Show Data System Determination options

--help-dpm

Show Data Port Mapper Service options

--help-fox

Show Foxconn Modem Service options

--help-link-management

Show link management specific options

--help-qmiwwan

Show qmi_wwan driver specific options

DMS options:

--dms-get-ids

Get IDs

--dms-get-capabilities

Get capabilities

--dms-get-manufacturer

Get manufacturer

--dms-get-model

Get model

--dms-get-revision

Get revision

--dms-get-msisdn

Get MSISDN

--dms-get-power-state

Get power state

--dms-uim-set-pin-protection=[(PIN|PIN2),(disable|enable),(current PIN)]

Set PIN protection in the UIM

--dms-uim-verify-pin=[(PIN|PIN2),(current PIN)]

Verify PIN

--dms-uim-unblock-pin=[(PIN|PIN2),(PUK),(new PIN)]

Unblock PIN

--dms-uim-change-pin=[(PIN|PIN2),(old PIN),(new PIN)]

Change PIN

--dms-uim-get-pin-status

Get PIN status

--dms-uim-get-iccid

Get ICCID

--dms-uim-get-imsi

Get IMSI

--dms-uim-get-state

Get UIM State

--dms-uim-get-ck-status=[(pn|pu|pp|pc|pf)]

Get CK Status

--dms-uim-set-ck-protection=[(pn|pu|pp|pc|pf),(disable),(key)]

Disable CK protection

--dms-uim-unblock-ck=[(pn|pu|pp|pc|pf),(key)]

Unblock CK

--dms-get-hardware-revision

Get the HW revision

--dms-get-operating-mode

Get the device operating mode

--dms-set-operating-mode=[(Operating mode)]

Set the device operating mode

--dms-get-time

Get the device time

--dms-get-prl-version

Get the PRL version

--dms-get-activation-state

Get the state of the service activation

--dms-activate-automatic=[Activation Code]

Request automatic service activation

--dms-activate-manual=[SPC,SID,MDN,MIN]

Request manual service activation

--dms-get-user-lock-state

Get the state of the user lock

--dms-set-user-lock-state=[(disable|enable),(current lock code)]

Set the state of the user lock

--dms-set-user-lock-code=[(old lock code),(new lock code)]

Change the user lock code

--dms-read-user-data

Read user data

--dms-write-user-data=[(User data)]

Write user data

--dms-read-eri-file

Read ERI file

--dms-restore-factory-defaults=[(Service Programming Code)]

Restore factory defaults

--dms-validate-service-programming-code=[(Service Programming Code)]

Validate the Service Programming Code

--dms-set-firmware-id

Set firmware id

--dms-get-band-capabilities

Get band capabilities

--dms-get-factory-sku

Get factory stock keeping unit

--dms-list-stored-images

List stored images

--dms-select-stored-image=[modem#,pri#] where # is the index

Select stored image

--dms-delete-stored-image=[modem#|pri#] where # is the index

Delete stored image

--dms-get-firmware-preference

Get firmware preference

--dms-set-firmware-preference=["key=value,..."]

Set firmware preference (required keys: firmware-version, con?

fig-version, carrier; optional keys: modem-storage-index, over?

ride-download=yes)

--dms-get-boot-image-download-mode

Get boot image download mode

--dms-set-boot-image-download-mode=[normal|boot-and-recovery]

Set boot image download mode

--dms-get-software-version

Get software version

--dms-set-fcc-authentication

Set FCC authentication

--dms-get-supported-messages

Get supported messages

--dms-hp-change-device-mode=[fastboot]

Change device mode (HP specific)

--dms-swi-get-current-firmware

Get Current Firmware (Sierra Wireless specific)

--dms-swi-get-usb-composition

Get current and supported USB compositions (Sierra Wireless spe?

cific)

--dms-swi-set-usb-composition=[#]

Set USB composition (Sierra Wireless specific)

--dms-foxconn-change-device-mode=[fastboot-ota|fastboot-online]

Change device mode (Foxconn specific)

--dms-foxconn-get-firmware-ver?

sion=[firmware-mcfg-apps|firmware-mcfg|apps]

Get firmware version (Foxconn specific)

--dms-foxconn-set-fcc-authentication=[magic]

Set FCC authentication (Foxconn specific)

--dms-foxconn-set-fcc-authentication-v2=[magic-string,magic-number]

Set FCC authentication (Foxconn specific, v2)

--dms-get-mac-address=[wlan|bt]

Get default MAC address

--dms-reset

Reset the service state

--dms-noop

Just allocate or release a DMS client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

NAS options:

--nas-get-signal-strength

Get signal strength

--nas-get-signal-info

Get signal info

--nas-get-tx-rx-info=[(Radio Interface)]

Get TX/RX info

--nas-get-home-network

Get home network

--nas-get-serving-system

Get serving system

--nas-get-system-info

Get system info

--nas-get-technology-preference

Get technology preference

--nas-get-preferred-networks

Get preferred networks

--nas-set-preferred-networks=[[MCCMNC,access_tech],...]

Set preferred networks list

--nas-get-system-selection-preference

Get system selection preference

--nas-set-system-selection-prefer?

ence=[cdma-1x|cdma-1xevdo|gsm|umts|lte|td-scdma][,[automatic|manual=MC?

CMNC]]

Set system selection preference

--nas-network-scan

Scan networks

--nas-get-cell-location-info

Get Cell Location Info

--nas-force-network-search

Force network search

--nas-get-operator-name

Get operator name data

--nas-get-plmn-name=[mccmnc]

Get plmn name data

--nas-get-lte-cphy-ca-info

Get LTE Cphy CA Info

--nas-get-rf-band-info

Get RF Band Info

--nas-get-drx

Get DRX

--nas-get-supported-messages

Get supported messages

--nas-swi-get-status

Get status ((Sierra Wireless specific)

--nas-reset

Reset the service state

--nas-noop

Just allocate or release a NAS client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

WDS options:

--wds-start-network=["key=value,..."]

Start network (allowed keys: apn, 3gpp-profile, 3gpp2-profile,

auth (PAP|CHAP|BOTH), username, password, autoconnect=yes,

ip-type (4|6))

--wds-follow-network

Follow the network status until disconnected. Use with

`--wds-start-network'

--wds-stop-network=[Packet data handle] OR [disable-autoconnect]

Stop network

--wds-get-current-settings

Get current settings

--wds-get-packet-service-status

Get packet service status

--wds-get-packet-statistics

Get packet statistics

--wds-get-data-bearer-technology

Get data bearer technology

--wds-get-current-data-bearer-technology

Get current data bearer technology

--wds-go-dormant

Make the active data connection go dormant

--wds-go-active

Make the active data connection go active

--wds-get-dormancy-status

Get the dormancy status of the active data connection

--wds-create-profile=["(3gpp|3gpp2)[,key=value,...]"]

Create new profile using first available profile index (optional keys: name, apn, pdp-type (IP|PPP|IPV6|IPV4V6), auth (NONE|PAP|CHAP|BOTH), username, password, context-num, no-roaming=yes, disabled=yes)

--wds-swi-create-profile-indexed=["(3gpp|3gpp2),#[,key=value,...]"]

Create new profile at specified profile index [Sierra Wireless specific] (optional keys: name, apn, pdp-type (IP|PPP|IPV6|IPV4V6), auth (NONE|PAP|CHAP|BOTH), username, password, context-num, no-roaming=yes, disabled=yes)

--wds-modify-profile=["(3gpp|3gpp2),#,key=value,..."]

Modify existing profile (optional keys: name, apn, pdp-type (IP|PPP|IPV6|IPV4V6), auth (NONE|PAP|CHAP|BOTH), username, password, context-num, no-roaming=yes, disabled=yes)

--wds-delete-profile=[(3gpp|3gpp2),#]

Delete existing profile

--wds-get-profile-list=[3gpp|3gpp2]

Get profile list

--wds-get-default-profile-number=[3gpp|3gpp2]

Get default profile number

--wds-set-default-profile-number=[(3gpp|3gpp2),#]

Set default profile number

--wds-get-default-settings=[3gpp|3gpp2]

Get default settings

--wds-get-autoconnect-settings

Get autoconnect settings

--wds-set-autoconnect-settings=[(enabled|disabled|paused)[,(roaming-allowed|home-only)]]

Set autoconnect settings (roaming settings optional)

--wds-get-supported-messages

Get supported messages

--wds-reset

Reset the service state

--wds-bind-data-port=[a2-mux-rmnet0-7|#]

Bind data port to controller device to be used with `--client-no-release-cid'

--wds-bind-mux-data-port=["key=value,..."]

Bind qmux data port to controller device (allowed keys: mux-id, ep-type (undefined|hsusb|pcie|embedded|bam-dmux), ep-iface-number) to be used with `--client-no-release-cid'

--wds-set-ip-family=[4|6]

Set IP family

--wds-get-channel-rates

Get channel data rates

--wds-get-lte-attach-parameters

Get LTE attach parameters

--wds-get-max-lte-attach-pdn-num

Get the maximum number of LTE attach PDN

--wds-get-lte-attach-pdn-list

Get the list of LTE attach PDN

--wds-set-lte-attach-pdn-list=[#,#,...]

Set the list of LTE attach PDN

--wds-noop

Just allocate or release a WDS client. Use with `--client-no-release-cid' and/or `--client-cid'

PBM options:

--pbm-get-all-capabilities

Get all phonebook capabilities

--pbm-noop

Just allocate or release a PBM client. Use with `--client-no-release-cid' and/or `--client-cid'

PDC options:

--pdc-list-configs=[(platform|software)]

List all configs

--pdc-delete-config=[(platform|software),ConfigId]

Delete config

--pdc-activate-config=[(platform|software),ConfigId]

Activate config

--pdc-deactivate-config=[(platform|software),ConfigId]

Deactivate config

--pdc-load-config=[Path to config]

Load config to device

--pdc-monitor-refresh

Watch for refresh indications

--pdc-noop

Just allocate or release a PDC client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

UIM options:

--uim-set-pin-protection=[(PIN1|PIN2|UPIN),(disable|enable),(current

PIN)]

Set PIN protection

--uim-verify-pin=[(PIN1|PIN2|UPIN),(current PIN)]

Verify PIN

--uim-unblock-pin=[(PIN1|PIN2|UPIN),(PUK),(new PIN)]

Unblock PIN

--uim-change-pin=[(PIN1|PIN2|UPIN),(old PIN),(new PIN)]

Change PIN

--uim-read-transparent=[0xNNNN,0xNNNN,...]

Read a transparent file given the file path

--uim-get-file-attributes=[0xNNNN,0xNNNN,...]

Get the attributes of a given file

--uim-read-record=["key=value,..."]

Read a record from given file (allowed keys: record-number,

record-length, file ([0xNNNN-0xNNNN,...])

--uim-get-card-status

Get card status

--uim-get-supported-messages

Get supported messages

--uim-sim-power-on=[(slot number)]

Power on SIM card

--uim-sim-power-off=[(slot number)]

Power off SIM card

--uim-change-provisioning-session=["key=value,..."]

Change provisioning session (allowed keys: session-type, acti?

vate, slot, aid)

--uim-get-slot-status

Get slot status

--uim-switch-slot=[(slot number)]

Switch active physical slot

--uim-monitor-slot-status

Watch for slot status indications

--uim-reset

Reset the service state

--uim-monitor-refresh-file=[0xNNNN,0xNNNN,...]

Watch for REFRESH events for given file paths

--uim-monitor-refresh-all

Watch for REFRESH events for any file

--uim-get-configuration

Get personalization status of the modem

--uim-depersonalization=[(feature),(operation),(control key)[,(slot

number)]]

Deactivates or unblocks personalization feature

--uim-noop

Just allocate or release a UIM client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

SAR options:

--sar-rf-get-state

Get RF state

--sar-rf-set-state=[(state number)]

Set RF state.

--sar-noop

Just allocate or release a SAR client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

WMS options:

--wms-get-supported-messages

Get supported messages

--wms-get-routes

Get SMS route information

--wms-set-routes=["key=value,..."]

Set SMS route information (keys: type, class, storage, re?

ceipt-action)

--wms-reset

Reset the service state

--wms-noop

Just allocate or release a WMS client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

WDA options:

--wda-set-data-format=["key=value,..."]

Set data format (allowed keys: link-layer-protocol

(802-3|raw-ip), ul-protocol (dis?

abled|tlp|qc-ncm|mbim|rndis|qmap|qmapv5), dl-protocol (dis?

abled|tlp|qc-ncm|mbim|rndis|qmap|qmapv5), dl-datagram-max-size,

dl-max-datagrams, ep-type (undefined|hsusb|pcie|embedded),

ep-iface-number, ul-datagram-max-size, ul-max-datagrams)

--wda-get-data-format=["key=value,..."]

Get data format (allowed keys: ep-type (undefined|hsusb|pcie|em?

bedded), ep-iface-number); also allows empty key list

--wda-get-supported-messages

Get supported messages

--wda-noop

Just allocate or release a WDA client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

VOICE options:

--voice-get-config

Get Voice service configuration

--voice-get-supported-messages

Get supported messages

--voice-noop

Just allocate or release a VOICE client. Use with `--client-no-release-cid' and/or `--client-cid'

LOC options:

--loc-session-id=[ID]

Session ID for the LOC session

--loc-start

Start location gathering

--loc-stop

Stop location gathering

--loc-get-position-report

Get position reported by the location module

--loc-get-gnss-sv-info

Show GNSS space vehicle info

--loc-timeout=[SECS]

Maximum time to wait for information in `--loc-get-position-re?port' and `--loc-get-gnss-sv-info' (default 30s)

--loc-follow-position-report

Follow all position updates reported by the location module in? definitely

--loc-follow-gnss-sv-info

Follow all GNSS space vehicle info updates reported by the loca?tion module indefinitely

--loc-follow-nmea

Follow all NMEA trace updates reported by the location module indefinitely

--loc-delete-assistance-data

Delete positioning assistance data

--loc-get-nmea-types

Get list of enabled NMEA traces

--loc-set-nmea-types=[type1|type2|type3...]

Set list of enabled NMEA traces

--loc-get-operation-mode

Get operation mode

--loc-set-operation-mode=[default|msb|msa|standalone|cellid|wwan]

Set operation mode

--loc-get-engine-lock

Get engine lock status

--loc-set-engine-lock=[none|mi|mt|all]

Set engine lock status

--loc-noop

Just allocate or release a LOC client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

QoS options:

--qos-get-flow-status=[QoS ID]

Get QoS flow status

--qos-get-network-status

Gets the network status

--qos-swi-read-data-stats=[APN ID]

Read data stats (Sierra Wireless specific)

--qos-reset

Reset the service state

--qos-noop

Just allocate or release a QOS client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

GAS options:

--gas-dms-set-usb-composition=[pid]

Sets the USB composition

--gas-dms-get-usb-composition

Gets the current USB composition

--gas-dms-get-firmware-list

Gets the list of stored firmware

--gas-dms-get-active-firmware

Gets the currently active firmware

--gas-dms-set-active-firmware=[index]

Sets the active firmware index

--gas-noop

Just allocate or release a GAS client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

GMS options:

--gms-test-get-value

Gets test value

--gms-test-set-value=[mandatory-value][,[optional-value]]

Sets test value

--gms-noop

Just allocate or release a GMS client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

DSD options:

--dsd-get-apn-info=[(type)]

Gets the settings associated to a given APN type

--dsd-set-apn-type=[(name), (type1|type2|type3...)]

Sets the types associated to a given APN name

--dsd-get-system-status

Gets system status

--dsd-noop

Just allocate or release a DSD client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

DPM options:

--dpm-open-port=["key=value,..."]

Open port (allowed-keys: ctrl-ep-type, ctrl-ep-iface-number, ctrl-port-name, hw-data-ep-type, hw-data-ep-iface-number, hw-data-rx-id, hw-data-tx-id, sw-data-ep-type, sw-data-ep-iface-number, sw-data-port-name)

--dpm-close-port

Close port

--dpm-noop

Just allocate or release a DPM client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

FOX options:

--fox-get-firmware-version=[firmware-mcfg-apps|firmware-mcfg|apps]

Get firmware version

--fox-noop

Just allocate or release a FOX client. Use with `--client-no-re?

lease-cid' and/or `--client-cid'

Link management options:

--link-list=[IFACE]

List links created from a given interface

--link-add=[iface=IFACE,prefix=PREFIX[,mux-id=N][,flags=FLAGS]]

Create new network interface link

--link-delete=[link-iface=IFACE][,[mux-id=N]]

Delete a given network interface link

--link-delete-all=[IFACE]

Delete all network interface links from the given interface

qmi_wwan specific options:

-w, --get-wwan-iface

Get the associated WWAN iface name

-e, --get-expected-data-format

Get the expected data format in the WWAN iface

-E, --set-expected-data-format=[802-3|raw-ip|qmap-pass-through]

Set the expected data format in the WWAN iface

Application Options:

-d, --device=[PATH|URI]

Specify device path or QRTR URI (e.g. qrtr://0)

--get-service-version-info

Get service version info

--device-set-instance-id=[Instance ID]

Set instance ID

--device-open-version-info

Run version info check when opening device

--device-open-sync

Run sync operation when opening device

-p, --device-open-proxy

Request to use the 'qmi-proxy' proxy

--device-open-qmi

Open a cdc-wdm device explicitly in QMI mode

--device-open-mbim

Open a cdc-wdm device explicitly in MBIM mode

--device-open-auto

Open a cdc-wdm device in either QMI or MBIM mode (default)

--de?

vice-open-net=[net-802-3|net-raw-ip|net-qos-header|net-no-qos-header]

Open device with specific link protocol and QoS flags

--client-cid=[CID]

Use the given CID, don't allocate a new one

--client-no-release-cid

Do not release the CID when exiting

-v, --verbose

Run action with verbose logs, including the debug ones

--verbose-full

Run action with verbose logs, including the debug ones and per?

sonal info

--silent

Run action with no logs; not even the error/warning ones

-V, --version

Print version

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SEE ALSO

The full documentation for qmicli is maintained as a Texinfo manual.

If the info and qmicli programs are properly installed at your site,

the command

info qmicli

should give you access to the complete manual.