

# Network Service Commands TRM250

[Main Page](#) > [TRM Modems](#) > [TRM250](#) > [TRM250 Manual](#) > [TRM250 AT Commands](#) > **Network Service Commands TRM250**



## Contents

- [1 Network Service Commands](#)
  - [1.1 AT+CREG Network Registration](#)
  - [1.2 AT+COPS Operator Selection](#)
  - [1.3 AT+CSQ Signal Quality Report](#)
  - [1.4 AT+CIND Indicator Control](#)
  - [1.5 AT+CPOL Preferred Operator List](#)
  - [1.6 AT+COPN Read Operator Names](#)
  - [1.7 AT+CTZU Automatic Time Zone Update](#)
  - [1.8 AT+CPSMS Power Saving Mode Setting](#)
  - [1.9 AT+QPSMS Power Saving Mode Setting](#)
  - [1.10 AT+QPSMCFG PSM Feature and Minimum Threshold Value Setting](#)
  - [1.11 AT+QPSMEXTCFG Modem Optimization](#)
  - [1.12 AT+QCSCON Signaling Connection Status](#)
  - [1.13 AT+CEDRXS e-I-DRX Setting](#)
  - [1.14 AT+CEDRXRDP Read Dynamic Parameters](#)
  - [1.15 AT+CTZR Time Zone Reporting](#)
  - [1.16 AT+QLTS Obtain the Latest Time Synchronized Through Network](#)
  - [1.17 AT+QNWINFO Query Network Information](#)
  - [1.18 AT+QCSQ Query and Report Signal Strength](#)
  - [1.19 AT+QSPN Display the Name of Registered Network](#)

## Network Service Commands

### [AT+CREG Network Registration](#)

---

The Write Command controls the presentation of the unsolicited result code **+CREG: <stat>** when **<n>=1** and there is a change in the MT's circuit mode network registration status in GERAN/E-UTRAN, or unsolicited result code **+CREG: <stat>[,<lac>],[<ci>],[<AcT>]]** when **<n>=2** and there is a change of the network cell in GERAN/E-UTRAN.

### [AT+COPS Operator Selection](#)

---

The command returns the current operators and their status, and allows setting automatic or manual network selection.

## [AT+CSQ Signal Quality Report](#)

---

The command indicates the received signal strength **<rsqi>** and the channel bit error rate **<ber>**.

## [AT+CIND Indicator Control](#)

---

The command returns the status of MT indicators

## [AT+CPOL Preferred Operator List](#)

---

The command lists and queries the list of preferred operators.

## [AT+COPN Read Operator Names](#)

---

The command returns the list of operator names from the ME. Each operator code **<numeric>** that has an alphanumeric equivalent **<alphan>** in the ME memory is returned.

## [AT+CTZU Automatic Time Zone Update](#)

---

The Write Command enables and disables automatic time zone update via NITZ. The configuration is stored to NV automatically.

## [AT+CPSMS Power Saving Mode Setting](#)

---

The Write Command controls the setting of the UE's power saving mode (PSM) parameters.

## [AT+QPSMS Power Saving Mode Setting](#)

---

Quectel extended AT command for PSM setting. The Write Command controls the setting of BG96's power saving mode (PSM) parameters. It is similar with [AT+CPSMS](#).

## [AT+QPSMCFG PSM Feature and Minimum Threshold Value Setting](#)

---

This command is used to set NV#73769 (PSM configuration) parameters. Customers can use this AT command to enable or disable PSM function and set the minimum threshold value to enter PSM.

## [AT+QPSMEXTCFG Modem Optimization](#)

---

The command is also used for PSM setting, and it is mainly used to set extended parameters for modem optimizations.

## [AT+QCSCON Signaling Connection Status](#)

---

The command gives details of the terminal's perceived radio connection status. It returns an indication of the current state. Please note that this state is only updated when radio events, such as sending and receiving, take place. This means that the current state may be out of date. The terminal may think it is "Connected" yet cannot currently use a base station due to a change in the link quality.

## [AT+CEDRXS e-I-DRX Setting](#)

---

The Write Command controls the setting of the UE's e-I-DRX (extended idle mode DRX) parameters.

## [AT+CEDRXRDP Read Dynamic Parameters](#)

---

The Execution Command returns **<AcT-type>**, **<Requested\_eDRX\_value>**, **<NW-provided\_eDRX\_value>** and **<Paging\_time\_window>** if e-I-DRX is used for the cell that the MS is currently registered to.

## [AT+CTZR Time Zone Reporting](#)

---

This command controls the time zone reporting of changed event. If reporting is enabled, the MT returns the unsolicited result code **+CTZV: <tz>** or **+CTZE: <tz>,<dst>**, whenever the time zone is changed. The configuration is stored to NV automatically.

## [AT+QLTS Obtain the Latest Time Synchronized Through Network](#)

---

The command is used to obtain the latest time synchronized through network.

## [AT+QNWINFO Query Network Information](#)

---

The command indicates network information such as the access technology selected, the operator, and the band selected.

## **AT+QCSQ Query and Report Signal Strength**

---

The command is used to query and report the signal strength of the current service network. If the MT is registered on multiple networks in different service modes, customers can query the signal strength of networks in each mode. No matter whether the MT is registered on a network or not, the command can be run to query the signal strength or allow the MT to unsolicitedly report the detected signal strength if the MT camps on the network. If the MT is not using any service network or the service mode is uncertain, "NOSERVICE" will be returned as the query result.

## **AT+QSPN Display the Name of Registered Network**

---