

FTC881 Mobile network

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Mobile data settings



These settings define the main parameters for FTC881.

Auto APN:

- Device automatically searches for the APN based on the operator of the inserted SIM card.

APN:

- Access point name, a mandatory parameter which is used to connect to the internet (GPRS). Access Point Name is the name of a gateway between a mobile operator and the public internet. It can be obtained from your SIM card provider.

APN Username:

- Access point name username (optional - depending on operator)

APN Password:

- Access point name password (optional - depending on operator).

GPRS Authentication:

- Some operators use a specific type of authentication for GPRS sessions - Normal (PAP) or Secured (CHAP). If any of these is used, APN should be entered as "chap:<APN>" or "pap:<APN>" respectively. E.g. if the operator is using APN "internet" with CHAP authentication, it should be entered as "chap: internet". Information about APN and authentication type should be provided by your GSM operator.

Server settings

Primary server settings

Your primary server settings configuration where the device is sending records to. Change the server address domain, port, and protocol.

Domain i

 ID

Port i

 ID

Data protocol i

 ID ▼

Domain:

- Server or Domain address, either IP address or Domain can be written.

Port:

- Server Port

Data protocol

- TCP (Transmission control protocol) or UDP (User datagram protocol). Changing this parameter will alter how the device communicates. From the device side, TCP and UDP work almost the same, the only difference is that UDP doesn't need additional confirmation from the server side, that the data packet was received. TCP has that and uses more network data for the confirmation. The desired data transfer protocol can be selected through the configurator. For more information on the protocol differences of Teltonika devices, refer here [\[1\]](#)

Server communication settings



Open link timeout (s)

- The parameter is used to define a timeout between the fleet management device and the

server. If the device has sent all records, the device holds the link for the duration of the configured timeout. The “Open link timeout” timer will refresh after the device sends a new record. If there is a need to keep a constant link with a server, increasing the value of the parameter is needed.

Response timeout (s)

- It is used to set a period waiting for the response from the server side. If there is no response from the server during the timeout, the device will close the link and according to device configuration resend the same packet

Keep-alive ping timeout (s)

- The device will ping the server periodically, so the server or operator will not close the link. The keep-alive ping timeout value should always be lower than the open link timeout.

FOTA Web settings



domain

- Domain which points to FOTA Web.

Port

- FOTA Web port for connection to FOTA Web

Pinger port

- FOTA Web pinger port

For more information on FOTA WEB, please refer [\[2\]](#).