

FTC881 Teltonika Data Sending Parameters ID

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FTC AVL ID's consist of these **parameters groups**:

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Permanent I/O elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------|-------|----------|-------------|-----|------------|-------|--|--|------------------------|
| | | | | Min | Max | | | | | |
| 239 | Ignition | 1 | Unsigned | 0 | 1 | - | - | 0 - Ignition Off 1 - Ignition On | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |
| 240 | Movement | 1 | Unsigned | 0 | 1 | - | - | 0 - Movement Off 1 - Movement On | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 80 | Data Mode | 1 | Unsigned | 0 | 5 | - | - | 0 - Home On Stop 1 - Home On Moving 2 - Roaming On Stop 3 - Roaming On Moving 4 - Unknown On Stop 5 - Unknown On Moving | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |
| 21 | GSM Signal | 1 | Unsigned | 0 | 5 | - | - | Value in range 1-5 | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |

| | | | | | | | | | | |
|-----|------------------|---|----------|---|-----------|-------|------|---|--|---------------------------|
| 200 | Sleep Mode | 1 | Unsigned | 0 | 4 | - | - | 0 - No Sleep 1 - GPS Sleep 2 - Deep Sleep 3 - Online Sleep 4 - Ultra Sleep | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |
| 69 | GNSS Status | 1 | Unsigned | 0 | 3 | - | - | 0 - GNSS OFF 1 - GNSS ON with fix 2 - GNSS ON without fix 3 - GNSS sleep | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |
| 181 | GNSS PDOP | 2 | Unsigned | 0 | 500 | 0.1 | | Coefficient, calculation formula | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |
| 182 | GNSS HDOP | 2 | Unsigned | 0 | 500 | 0.1 | | Coefficient, calculation formula | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O Elements |
| 800 | External Voltage | 2 | Unsigned | 0 | 6553 5 | 0.001 | V | Voltage | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 24 | Speed | 2 | Unsigned | 0 | 350 | - | km/h | GNSS Speed | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 205 | GSM Cell ID | 2 | Unsigned | 0 | 6553 5 | - | - | GSM base station ID | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 206 | GSM Area Code | 2 | Unsigned | 0 | 6553 5 | - | - | Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations. | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 67 | Battery Voltage | 2 | Unsigned | 0 | 6553 5 | 0.001 | V | Voltage | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |

| | | | | | | | | | | |
|-----|---------------------|---|----------|---|------------|-------|---|--|--|---------------------------|
| 68 | Battery Current | 2 | Unsigned | 0 | 65535 | 0.001 | A | Current | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 241 | Active GSM Operator | 4 | Unsigned | 0 | 4294967295 | - | - | Currently used GSM Operator code | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 199 | Trip Odometer | 4 | Unsigned | 0 | 2147483647 | - | m | Trip Odometer value | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 16 | Total Odometer | 4 | Unsigned | 0 | 2147483647 | - | - | Total Odometer value in meters | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 1 | Digital Input 1 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 9 | Analog Input 1 | 2 | Unsigned | 0 | 65535 | 0.001 | V | Voltage | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 179 | Digital Output 1 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 237 | Network Type | 1 | Unsigned | 0 | 1 | - | - | 0 - 3G 1 - GSM 2 - 4G 3 - LTE CAT M1 4 - LTE CAT NB1 99 - Unknown | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Permanent I/O elements |
| 249 | Jamming detection | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FTXX XX FTC9 21 FTC9 61 FTC8 81 | Eventual I/O elements |

| | | | | | | | | | | |
|-----|------------------|---|----------|---|-------------------------|---|---|--|---|------------------------|
| 252 | Unplug | 1 | Unsigned | 0 | 1 | - | - | 0 - battery present 1 - battery unplugged | FTXXX XX FTC921 FTC961 FTC881 | Permanent I/O elements |
| 303 | Instant Movement | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 returns movement value | FTXXX XX FTC921 FTC961 FTC881 | Permanent I/O elements |
| 641 | ICCID1 | 8 | Unsigned | 0 | 0xffff ffffff fff | - | - | Value of SIM ICCID, MSB | FTXXX XX FTC921 FTC961 FTC881 | Permanent I/O elements |

Eventual I/O elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range Min Max | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------------|----------|----------|------------------------|-----------------------|----------|--|--|-----------------------|
| 250 | Trip | 1 | Unsigned | 0 1 | - | - | 0 - trip stop 1 - trip start From 01.00.24 fw version available with BT app new values: 2 - Business Status 3 - Private Status 4-9 - Custom Statuses | FTXXXX FTC921 FTC961 FTC881 | Eventual I/O elements |
| 255 | Over Speeding | 1 | Unsigned | 0 255 | - | km/h | At over speeding start km/h, at over speeding end km/h | FTXXXX FTC921 FTC961 FTC881 | Eventual I/O elements |
| 257 | Crash trace data | Variable | HEX | 0 1200 | - | - | Crash trace data | FTXXXX [Expand] FTC921 FTC961 FTC881 | |
| 251 | Idling | 1 | Unsigned | 0 1 | - | - | 0 - moving 1 - idling | FTXXXX [Expand] FTC921 FTC961 FTC881 | Eventual I/O elements |
| 253 | Green driving type | 1 | Unsigned | 1 3 | - | - | 1 - harsh acceleration 2 - harsh braking 3 - harsh cornering | FTC921 FTC961 FTC881 | Eventual I/O elements |
| 254 | Green Driving Value | 1 | Unsigned | 0 255 | acc and braking: 0.01 | G or rad | Depending on green driving type: if harsh acceleration or braking - g*100 (value 123 -> 1.23g). If Green driving source is „GPS“ - harsh cornering value is rad/s*100. If source is „Accelerometer“ - g*100. | FTXXXX [Expand] FTC921 FTC961 FTC881 | Eventual I/O elements |