

# 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 <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O Elements
240	Movement	1	Unsigned	0	1	-	-	0 - Movement Off 1 - Movement On	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	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 <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O Elements
21	GSM Signal	1	Unsigned	0	5	-	-	Value in range 1-5	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	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 <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O Elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
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 <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O Elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
181	GNSS PDOP	2	Unsigned	0	500	0.1		Coefficient, <a href="#">calculation formula</a>	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O Elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
182	GNSS HDOP	2	Unsigned	0	500	0.1		Coefficient, <a href="#">calculation formula</a>	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O Elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
800	External Voltage	4	Unsigned	0	1500 00	0.001	V	Voltage	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
24	Speed	2	Unsigned	0	350	-	km/h	GNSS Speed	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
205	GSM Cell ID	2	Unsigned	0	6553 5	-	-	GSM base station ID	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
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 <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>
67	Battery Voltage	2	Unsigned	0	6553 5	0.001	V	Voltage	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> Permanent <a href="#">FTC9</a> I/O elements <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>

68	Battery Current	2	Unsigned	0	65535	0.001	A	Current	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
241	Active GSM Operator	4	Unsigned	0	4294967295	-	-	Currently used GSM Operator code	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
199	Trip Odometer	4	Unsigned	0	2147483647	-	m	Trip Odometer value	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
16	Total Odometer	4	Unsigned	0	2147483647	-	-	Total Odometer value in meters	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
1	Digital Input 1	1	Unsigned	0	1	-	-	Logic: 0/1	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
9	Analog Input 1	2	Unsigned	0	65535	0.001	V	Voltage	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
179	Digital Output 1	1	Unsigned	0	1	-	-	Logic: 0/1	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	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 <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Permanent I/O elements
249	Jamming detection	1	Unsigned	0	1	-	-	Logic: 0/1	FTXX XX <a href="#">FTC9 21</a> <a href="#">FTC9 61</a> <a href="#">FTC8 81</a>	Eventual I/O elements

252	Unplug	1	Unsigned	0	1	-	-	0 - battery present 1 - battery unplugged	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> <a href="#">FTC9</a> <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>	Permanent I/O elements
303	Instant Movement	1	Unsigned	0	1	-	-	Logic: 0/1 returns movement value	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> <a href="#">FTC9</a> <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>	Permanent I/O elements
641	ICCID	22	ASCII	0	22	-	-	Value of SIM ICCID	FTXX XX <a href="#">FTC9</a> <a href="#">21</a> <a href="#">FTC9</a> <a href="#">61</a> <a href="#">FTC8</a> <a href="#">81</a>	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 <a href="#">FTC921</a> <a href="#">FTC961</a> <a href="#">FTC881</a>	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 <a href="#">FTC921</a> <a href="#">FTC961</a> <a href="#">FTC881</a>	Eventual I/O elements
257	Crash trace data	Variable	HEX	0 1200	-	-	Crash trace data	FTXXXX [Expand] <a href="#">FTC921</a> <a href="#">FTC961</a> <a href="#">FTC881</a>	
251	Idling	1	Unsigned	0 1	-	-	0 - moving 1 - idling	FTXXXX [Expand] <a href="#">FTC921</a> <a href="#">FTC961</a> <a href="#">FTC881</a>	Eventual I/O elements
253	Green driving type	1	Unsigned	1 3	-	-	1 - harsh acceleration 2 - harsh braking 3 - harsh cornering	<a href="#">FTC921</a> <a href="#">FTC961</a> <a href="#">FTC881</a>	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] <a href="#">FTC921</a> <a href="#">FTC961</a> <a href="#">FTC881</a>	Eventual I/O elements