

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	FMBXX X	Permanent I/O Elements
240	Movement	1	Unsigned	0	1	-	-	0 – Movement Off 1 – Movement On	FMBXX X	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	FMBXX X	Permanent I/O Elements
21	GSM Signal	1	Unsigned	0	5	-	-	Value in range 1-5	FMBXX X	Permanent I/O Elements
200	Sleep Mode	1	Unsigned	0	4	-	-	0 - No Sleep 1 – GPS Sleep 2 – Deep Sleep	FMBXX X	Permanent I/O Elements

									3 – Online Sleep 4 - Ultra Sleep	
69	GNSS Status	1	Unsigned	0	3	-	-		0 - GNSS OFF 1 – GNSS ON with fix 2 - GNSS ON without fix 3 - GNSS sleep	FMBXX X FMB920 Permanent I/O Elements
181	GNSS PDOP	2	Unsigned	0	500	0.1		Coefficient, calculation formula		FMBXX X FMB920 Permanent I/O Elements
182	GNSS HDOP	2	Unsigned	0	500	0.1		Coefficient, calculation formula		FMBXX X FMB920 Permanent I/O Elements
66	External Voltage	2	Unsigned	0	65535	0.001	V	Voltage		FMBXX X FMB920 Permanent I/O elements
24	Speed	2	Unsigned	0	350	-	km/h	GNSS Speed		FMBXX X FMB920 Permanent I/O elements
205	GSM Cell ID	2	Unsigned	0	65535	-	-	GSM base station ID		FMBXX X FMB920 Permanent I/O elements

206	GSM Area Code	2	Unsigned	0	65535	-	-	Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations.	FMBXX X FMB920	Permanent I/O elements
67	Battery Voltage	2	Unsigned	0	65535	0.001	V	Voltage	FMBXX X FMB920	Permanent I/O elements
68	Battery Current	2	Unsigned	0	65535	0.001	A	Current	FMBXX X FMB920	Permanent I/O elements
241	Active GSM Operator	4	Unsigned	0	4294967295	-	-	Currently used GSM Operator code	FMBXX X FMB920	Permanent I/O elements
199	Trip Odometer	4	Unsigned	0	2147483647	-	m	Trip Odometer value	FMBXX X FMB920	Permanent I/O elements
16	Total Odometer	4	Unsigned	0	2147483647	-	-	Total Odometer value in meters	FMBXX X FMB920	Permanent I/O elements
1	Digital Input 1	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X FMB920	Permanent I/O elements

9	Analog Input 1	2	Unsigned	0	65535	0.001	mV	Voltage	FMBXX X FMB920	Permanent I/O elements
179	Digital Output 1	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X FMB920	Permanent I/O elements
12	Fuel Used GPS	4	Unsigned	0	4294967295	0.001	1	Fuel Used	FMBXX X FMB920	Permanent I/O elements
13	Fuel Rate GPS	2	Unsigned	0	32767	0.01	l/100km	Average Fuel Use	FMBXX X FMB920	Permanent I/O elements
17	Axis X	2	Signed	-8000	8000	-	mG	X axis value	FMBXX X FMB920	Permanent I/O elements
18	Axis Y	2	Signed	-8000	8000	-	mG	Y axis value	FMBXX X FMB920	Permanent I/O elements
19	Axis Z	2	Signed	-8000	8000	-	mG	Z axis value	FMBXX X FMB920	Permanent I/O elements
11	ICCID1	8	Unsigned	0	0xffffffffffff	-	-	Value of SIM ICCID, MSB	FMBXX X	Permanent I/O elements

10	SD Status	1	Unsigned	0	1	-	-	0 - not present 1 - present	FMB920 FMBXX X FMB920	Permanent I/O elements
2	Digital Input 2	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X	Permanent I/O elements
3	Digital Input 3	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X	Permanent I/O elements
6	Analog Input 2	2	Unsigned	0	65535	0.001	mV	Voltage	FMBXX X	Permanent I/O elements
180	Digital Output 2	1	Unsigned	0	1	-	-	Logic 0/1	FMBXX X	Permanent I/O elements
72	Dallas Temperature 1	4	Signed	-550	1150	0.1	°C	Degrees (°C), -55 - +115, if 850 – Sensor not ready if 2000 – Value read error if 3000 – Not connected if 4000 – ID failed if 5000 – same as 850	FMBXX X	Permanent I/O elements
73	Dallas Temperature 2	4	Signed	-550	1150	0.1	°C	Degrees (°C), -55 - +115, if 850 – Sensor not ready if 2000 – Value read error if 3000 – Not connected	FMBXX X	Permanent I/O elements

								if 4000 – ID failed if 5000 – same as 850		
								Degrees (°C), -55 - +115, if 850 – Sensor not ready if 2000 – Value read error if 3000 – Not connected if 4000 – ID failed if 5000 – same as 850	FMBXX X	Permane nt I/O elements
74	Dallas Temperat ure 3	4	Signed	- 550	1150	0.1	°C			
								Degrees (°C), -55 - +115, if 850 – Sensor not ready if 2000 – Value read error if 3000 – Not connected if 4000 – ID failed if 5000 – same as 850	FMBXX X	Permane nt I/O elements
75	Dallas Temperat ure 4	4	Signed	- 550	1150	0.1	°C			
								Degrees (°C), -55 - +115, if 850 – Sensor not ready if 2000 – Value read error if 3000 – Not connected if 4000 – ID failed if 5000 – same as 850	FMBXX X	Permane nt I/O elements
76	Dallas Temperat ure ID 1	8	Unsign ed	0	0xffffffff fff	-	-	Dallas sensor ID	FMBXX X	Permane nt I/O elements
77	Dallas Temperat ure ID 2	8	Unsign ed	0	0xffffffff fff	-	-	Dallas sensor ID	FMBXX X	Permane nt I/O elements
79	Dallas Temperat ure ID 3	8	Unsign ed	0	0xffffffff fff	-	-	Dallas sensor ID	FMBXX X	Permane nt I/O elements
71	Dallas Temperat ure ID 4	8	Unsign ed	0	0xffffffff fff	-	-	Dallas sensor ID	FMBXX X	Permane nt I/O elements

78	iButton	8	Unsigned	0	0xfffffffffff	-	-	iButton ID	FMBXX X	Permanent I/O elements
207	RFID	8	Unsigned	0	0xfffffffffff	-	-	RFID ID		Permanent I/O elements
201	LLS 1 Fuel Level	2	Signed	-4	32767	-		kvants Fuel level measured by LLS sensor via or ltr RS232/RS485		Permanent I/O elements
202	LLS 1 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS232/RS485		Permanent I/O elements
203	LLS 2 Fuel Level	2	Signed	-4	32767	-		kvants Fuel level measured by LLS sensor via or ltr RS485		Permanent I/O elements
204	LLS 2 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485		Permanent I/O elements
210	LLS 3 Fuel Level	2	Unsigned	-4	32767	-		kvants Fuel level measured by LLS sensor via or ltr RS485		Permanent I/O elements
211	LLS 3 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485		Permanent I/O elements
212	LLS 4 Fuel Level	2	Signed	-4	32767	-		kvants Fuel level measured by LLS sensor via or ltr RS485		Permanent I/O elements
213	LLS 4 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485		Permanent I/O elements

214	LLS 5 Fuel Level	2	Signed	-4	32767	-	kvants or ltr	Fuel level measured by LLS sensor via RS485	Permanent I/O elements
215	LLS 5 Temperature	1	Signed	-128	127	-	°C	Fuel temperature measured by LLS via RS485	Permanent I/O elements
15	Eco Score	2	Unsigned	0	65535	0.01	-	Average amount of events on some distance	FMBXX X Permanent I/O elements FMB920
113	Battery Level	1	Unsigned	0	100	-	%	Battery capacity level	FMBXX X Permanent I/O elements FMB920
238	User ID	8	Unsigned	0	0xfffffffffff	-	-	MAC address of NMEA receiver device connected via Bluetooth	FMBXX X Permanent I/O elements FMB920
237	Network Type	1	Unsigned	0	1	-	-	0 - 3G 1 - GSM 2 - 4G 3 - LTE CAT M1 4 - LTE CAT NB1 99 - Unknown	Permanent I/O elements
8	Authorized iButton	8	Unsigned	0	0xfffffffffff	-	-	If ID is shown in this I/O that means that attached iButton is in iButton List	Permanent I/O elements

4	Pulse Counter Din1	4	Unsigned	0	4294967295	-	-	Counts pulses, count is reset when records are saved	FMBXX X	Permanent I/O elements
5	Pulse Counter Din2	4	Unsigned	0	4294967295	-	-	Counts pulses, count is reset when records are saved	FMBXX X	Permanent I/O elements
263	BT Status	1	Unsigned	0	4	-	-	0 - BT is disabled 1 - BT Enabled, not device connected 2 - Device connected, BTv3 Only 3 - Device connected, BLE only 4 - Device connected, BLE + BT	FMBXX X FMB920	Permanent I/O elements
264	Barcode ID	Variable	ASCII	0	32	-	-	Barcode ID	FMBXX X FMB920	Permanent I/O elements
269	Escort LLS Temperature #1	2	Signed	-128	127	-	°C	Fuel temperature		Permanent I/O elements
270	Escort LLS Fuel level #1	2	Unsigned	0	65535	-	-	Fuel Level		Permanent I/O elements
271	Escort LLS Battery Voltage #1	2	Unsigned	0	65535	0.01	V	Battery Voltage		Permanent I/O elements
272	Escort LLS	2	Signed	-128	127	-	°C	Fuel temperature		Permanent I/O elements

	Temperat ure #2								
273	Escort LLS Fuel level #2	2	Unsign ed	0	65535	-	-	Fuel Level	Permane nt I/O elements
274	Escort LLS Battery Voltage #2	2	Unsign ed	0	65535	0.01	V	Battery Voltage	Permane nt I/O elements
275	Escort LLS Temperat ure #3	2	Signed	- 128	127	-	°C	Fuel temperature	Permane nt I/O elements
276	Escort LLS Fuel level #3	2	Unsign ed	0	65535	-	-	Fuel Level	Permane nt I/O elements
277	Escort LLS Battery Voltage #3	2	Unsign ed	0	65535	0.01	V	Battery Voltage	Permane nt I/O elements
278	Escort LLS Temperat ure #4	2	Signed	- 128	127	-	°C	Fuel temperature	Permane nt I/O elements
279	Escort LLS Fuel level #4	2	Unsign ed	0	65535	-	-	Fuel Level	Permane nt I/O elements

280	Escort LLS Battery Voltage #4	2	Unsigned	0	65535	0.01	V	Battery Voltage		Permanent I/O elements
303	Instant Movement	1	Unsigned	0	1	-	-	Logic: 0/1 returns movement value	FMBXX X	Permanent I/O elements
327	UL202-02 Sensor Fuel level	2	Signed	-150	32767	0.1	mm	UL202-02 Sensor Fuel level		Permanent I/O elements
483	UL202-02 Sensor Status	1	Unsigned	0	255	-	-	UL202-02 sensor status codes		Permanent I/O elements
380	Digital output 3	1	Unsigned	0	1	-	-	Logic: 0/1	FMBXX X	Permanent I/O elements
381	Ground Sense	1	Unsigned	0	1	-	-	Logic: 0/1		Permanent I/O elements
387	ISO6709 Coordinates	34	HEX	0	0x7fffffff	-	-	ISO6709 Coordinates Latitude, Longitude (in Degrees, Minutes and Seconds) and Altitude: IO value format: ±DDMMSS.SSSS±DDDMMSS.SSSS±AA A.AAA/	FMBXX X	Permanent I/O elements

FMBXX

X

[FMB920](#)

FMBXX

X

FMBXX

X

[FMB920](#)

636	UMTS/LTE Cell ID	4	Unsigned	0	0xFFFFFFFF	-	-	FMBXX X	Permanent I/O elements
403	Driver Name	35	Unsigned	-	-	-	-	FMBXX X	Permanent I/O elements
404	Driver card license type	1	Unsigned	0	8	-	-	FMBXX X	Permanent I/O elements
405	Driver Gender	1	Unsigned	0	2	-	-	FMBXX X	Permanent I/O elements
406	Driver Card ID	4	Unsigned	0	4294967295	-	-	FMBXX X	Permanent I/O elements
407	Driver Card Issue Year	1	Unsigned	-	-	-	-	FMBXX X	Permanent I/O elements

Driver name extracted from card, displayed without delimiters (\$ signs)

None - 0
 B.1 license type - 1
 B.2 license type - 2
 B.3 license type - 3
 B.4 license type - 4
 T.1 license type - 5
 T.2 license type - 6
 T.3 license type - 7
 T.4 license type - 8

None - 0
 Male - 1
 Female - 2

None - 0
 Male - 1
 Female - 2

Value from card as it is

408	Driver Card Issue Year	4	Unsigned	0	4294967295	-	-	-	FMBXX X	Permanent I/O Elements
409	Driver Status Event	1	Unsigned	0	2	-	-	Registered - 0 Deregistered - 1 Swapping - 2	FMBXX X	Permanent I/O elements
329	AIN Speed	2	Unsigned	0	65535	-	-			Permanent I/O elements
500	MSP500 vendor name	40	ASCII	0	40	-	-	Name of the integrator who installed the device		Permanent I/O elements
501	MSP500 vehicle number	40	ASCII	0	40	-	-	Vehicle number on which the device is installed		Permanent I/O elements
502	MSP500 speed sensor	1	unsigned	0	1	-	-	Status of the speed sensor		Permanent I/O elements

Eventual I/O elements

Bytes	Type	Value range	Description	HW Support
-------	------	-------------	-------------	------------

Property ID in AVL packet	Property Name		Min	Max	Multiplier	Units		Parameter Group	
155	Geofence zone 01	1	Unsigned 0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920 0	Eventual I/O elements
156	Geofence zone 02	1	Unsigned 0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
157	Geofence zone 03	1	Unsigned 0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end	FMBXXX FMB920	Eventual I/O elements

								3 – over speeding start		
158	Geofence zone 04	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
159	Geofence zone 05	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB900	Eventual I/O elements
61	Geofence zone 06	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements

62	Geofence zone 07	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
63	Geofence zone 08	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
64	Geofence zone 09	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
65	Geofence zone 10	1	Unsigned	0	3	-	-	0 – target left zone 1 – target	FMBXXX FMB920	Eventual I/O elements

								entered zone 2 – over speeding end 3 – over speeding start		
70	Geofence zone 11	1	Unsigned d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
88	Geofence zone 12	1	Unsigned d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
91	Geofence zone 13	1	Unsigned d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end	FMBXXX FMB920	Eventual I/O elements

92	Geofence zone 14	1	Unsigned	0	3	-	-	3 – over speeding start 0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
93	Geofence zone 15	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
94	Geofence zone 16	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements

95	Geofence zone 17	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
96	Geofence zone 18	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
97	Geofence zone 19	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
98	Geofence zone 20	1	Unsigned	0	3	-	-	0 – target left zone 1 – target	FMBXXX	Eventual I/O elements

								entered zone 2 – over speeding end 3 – over speeding start	FMB920	
99	Geofence zone 21	1	Unsigne d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
153	Geofence zone 22	1	Unsigne d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
154	Geofence zone 23	1	Unsigne d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end	FMBXXX FMB920	Eventual I/O elements

190	Geofence zone 24	1	Unsigned	0	3	-	-	3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
191	Geofence zone 25	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
192	Geofence zone 26	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements

193	Geofence zone 27	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
194	Geofence zone 28	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
195	Geofence zone 29	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
196	Geofence zone 30	1	Unsigned	0	3	-	-	0 – target left zone 1 – target	FMBXXX FMB920	Eventual I/O elements

									entered zone 2 – over speeding end 3 – over speeding start		
197	Geofence zone 31	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements	
198	Geofence zone 32	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements	
208	Geofence zone 33	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end	FMBXXX FMB920	Eventual I/O elements	

								3 – over speeding start		
209	Geofence zone 34	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
216	Geofence zone 35	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
217	Geofence zone 36	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements

218	Geofence zone 37	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX	Eventual I/O elements
219	Geofence zone 38	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX	Eventual I/O elements
220	Geofence zone 39	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
221	Geofence zone 40	1	Unsigned	0	3	-	-	0 – target left zone 1 – target	FMBXXX FMB920	Eventual I/O elements

									entered zone 2 – over speeding end 3 – over speeding start		
222	Geofence zone 41	1	Unsigned d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements	
223	Geofence zone 42	1	Unsigned d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements	
224	Geofence zone 43	1	Unsigned d	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end	FMBXXX FMB920	Eventual I/O elements	

								3 – over speeding start		
225	Geofence zone 44	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
226	Geofence zone 45	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
227	Geofence zone 46	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements

228	Geofence zone 47	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
229	Geofence zone 48	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
230	Geofence zone 49	1	Unsigned	0	3	-	-	0 – target left zone 1 – target entered zone 2 – over speeding end 3 – over speeding start	FMBXXX FMB920	Eventual I/O elements
231	Geofence zone 50	1	Unsigned	0	3	-	-	0 – target left zone 1 – target	FMBXXX FMB920	Eventual I/O elements

								entered zone 2 – over speeding end 3 – over speeding start		
175	Auto Geofence	1	Unsigned	0	1	-	-	0 – target left zone 1 – target entered zone	FMBXXX FMB920	Eventual I/O elements
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	FMBXXX FMB920	Eventual I/O elements
255	Over Speeding	1	Unsigned	0	255	-	km/h	At over speeding start km/h, at over	FMBXXX FMB920	Eventual I/O elements

257	Crash trace data	Variable	HEX	0	1200	-	-	speeding end km/h Crash trace data	FMBXXX FMB920	Eventual I/O elements
285	Blood alcohol content	2	Unsigned	0	9999	-	-	Alcohol content in blood in perlms and mode. First 14 bits from MSB are perlms multiplied by 1000 and last to bits are 0 - Passive test, 1 Active test, 2 and 3 are reserved.		Eventual I/O elements
251	Idling	1	Unsigned	0	1	-	-	0 – moving 1 – idling	FMBXXX FMB920	Eventual I/O elements
253	Green driving type	1	Unsigned	1	3	-	-	1 – harsh acceleration 2 – harsh braking 3 – harsh cornering	FMBXXX FMB920	Eventual I/O elements

246	Towing	1	Unsigned	0	1	-	-	0 – steady 1 – towing	FMBXXX FMB920	Eventual I/O elements
252	Unplug	1	Unsigned	0	1	-	-	0 – battery present 1 – battery unplugged	FMBXXX FMB920	Eventual I/O elements
247	Crash detection	1	Unsigned	1	6	-	-	1 – real crash detected (device is calibrated) 2 – limited crash trace (device not calibrated) 3 - limited crash trace (device is calibrated) 4 - full crash trace (device not calibrated) 5 - full crash trace (device is calibrated) 6 - real crash detected (device not calibrated)	FMBXXX FMB920	Eventual I/O elements

								7 - fake crash detected (device calibrated, pothole) 8 - fake crash detected (device calibrated, speed check)		
248	Immobilizer	1	Unsigned	0	2	-	-	0 – iButton not connected 1 – iButton connected (Immobilizer) 2 – iButton connected (Authorized Driving)	FMBXXX	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	FMBXXX FMB920	Eventual I/O elements

								cornering value is rad/s*100. If source is „Accelerometer“ – g*100.		
249	Jamming	1	Unsigned	0	1	-	-	0 – jamming stop 1 – jamming start	FMBXXX FMB920	Eventual I/O elements
14	ICCID2	8	Unsigned	0	0xFFFFFFFFFFFFFFF	-	-	Value of SIM ICCID, LSB	FMBXXX FMB920	Eventual I/O elements
243	Green driving event duration	2	Unsigned	0	65535	-	ms	Duration of event that did generate Green driving	FMBXXX FMB920	Eventual I/O elements
236	Alarm	1	Unsigned	0	1	-	-	0 – Reserved 1 – Alarm event occurred		Eventual I/O elements
258	EcoMaximum	8	Unsigned	0	0xFFFFFFFFFFFFFFF	-	-	Element stores maximum accelerometer values in mg on all axis during Eco driving event		Eventual I/O elements

								8 Bytes: 2B Zeros 2B - X axis 2B - Y axis 2B - Z axis	
259	EcoAverage	8	Unsigned	0	0xFFFFFFFFFFFFFFF	-	-	Element stores average accelerometer values in mg on all axis during Eco driving event 8 Bytes: 2B Zeros 2B - X axis 2B - Y axis 2B - Z axis	Eventual I/O elements
260	EcoDuration	2	Unsigned	0	65535	-	ms	Duration of Eco driving event in miliseconds	Eventual I/O elements
283	Driving State	1	Unsigned	0	3	-	-	1 - Ignition ON 2 - Driving 3 - Ignition OFF	Eventual I/O elements
284	Driving Records	2	Unsigned	0	65535	-	-	Number of Records between Ignition ON	Eventual I/O elements

391	Private mode	1	Unsigned	0	255	-	-	and Ignition OFF	FMBXXX FMB920	Eventual I/O elements
317	Crash event counter	1	Unsigned	0	255	-	-	Private mode state 0 - Private mode off 1 - Private mode on	FMBXXX FMB920	Eventual I/O elements
449	Ignition On Counter	4	Unsigned	0	2147483647	-	s	Connects trace with specific eventual crash record 0 - Disable 1 - Enable	FMBXXX FMB920	Eventual I/O elements

OBD elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					

256	VIN	17	ASCII	0	0xff	-	-	VIN number	FMBXXX FMB920	OBD elements
30	Number of DTC	1	ASCII	0	255	-	-	Number of DTC	FMBXXX FMB920	OBD elements
31	Engine Load	1	Unsigned	0	100	-	%	Calculated engine load value	FMBXXX FMB920	OBD elements
32	Coolant Temperature	1	Signed	-128	127	-	°C	Engine coolant temperature	FMBXXX FMB920	OBD elements
33	Short Fuel Trim	1	Signed	-100	99	-	%	Short term fuel trim 1	FMBXXX FMB920	OBD elements
34	Fuel pressure	2	Unsigned	0	765	-	kPa	Fuel pressure	FMBXXX FMB920	OBD elements
35	Intake MAP	1	Unsigned	0	255	-	kPa	Intake manifold absolute pressure	FMBXXX FMB920	OBD elements
36	Engine RPM	2	Unsigned	0	16384	-	rpm	Engine RPM	FMBXXX FMB920	OBD elements
37	Vehicle Speed	1	Unsigned	0	255	-	km/h	Vehicle speed	FMBXXX FMB920	OBD elements
38	Timing Advance	1	Signed	-64	64	-	°	Timing advance	FMBXXX FMB920	OBD elements
39	Intake Air Temperature	1	Signed	-128	127	-	°C	Intake air temperature	FMBXXX FMB920	OBD elements

40	MAF	2	Unsigned	0	65535	0.01	g/sec	MAF air flow rate	FMBXXX FMB920	OBD elements
41	Throttle Position	1	Unsigned	0	100	-	%	Throttle position	FMBXXX FMB920	OBD elements
42	Runtime since engine start	2	Unsigned	0	65535	-	s	Runtime since engine start	FMBXXX FMB920	OBD elements
43	Distance Traveled MIL On	2	Unsigned	0	65535	-	km	Distance ormattin MIL on	FMBXXX FMB920	OBD elements
44	Relative Fuel Rail Pressure	2	Unsigned	0	5178	0.1	kPa	Relative fuel rail pressure	FMBXXX FMB920	OBD elements
45	Direct Fuel Rail Pressure	2	Unsigned	0	65535	10	kPa	Direct Fuel Rail Pressure	FMBXXX FMB920	OBD elements
46	Commanded EGR	1	Unsigned	0	100	-	%	Commanded EGR	FMBXXX FMB920	OBD elements
47	EGR Error	1	Signed	-100	100	-	%	EGR error	FMBXXX FMB920	OBD elements
48	Fuel Level	1	Unsigned	0	100	-	%	Fuel level	FMBXXX FMB920	OBD elements
49	Distance Since Codes Clear	2	Unsigned	0	65535	-	km	Distance traveled since codes cleared	FMBXXX FMB920	OBD elements
50	Barometric Pressure	1	Unsigned	0	255	-	kPa	Barometric pressure	FMBXXX FMB920	OBD elements
51	Control Module Voltage	2	Unsigned	0	65535	0.001	V	Control module voltage	FMBXXX FMB920	OBD elements

52	Absolute Load Value	2	Unsigned	0	25700	-	%	Absolute load value	FMBXXX FMB920	OBD elements
								0 Not available		
								1 Gasoline		
								2 Methanol		
								3 Ethanol		
								4 Diesel		
								5 LPG		
								6 CNG		
								7 Propane		
								8 Electric		
								9 Bifuel running Gasoline		
								10 Bifuel running Methanol		
								11 Bifuel running Ethanol		
759	Fuel Type	1	Unsigned	0	255	-	-	12 Bifuel running LPG	FMBXXX FMB920	OBD elements
								13 Bifuel running CNG		
								14 Bifuel running Propane		
								15 Bifuel running Electricity		
								16 Bifuel running electric and combustion engine		
								17 Hybrid gasoline		
								18 Hybrid Ethanol		
								19 Hybrid Diesel		
								20 Hybrid Electric		
								21 Hybrid running electric and combustion engine		
								22 Hybrid Regenerative		
								23 Bifuel running diesel		

53	Ambient Air Temperature	1	Signed	-128	127	-	°C	Ambient air temperature	FMBXXX FMB920	OBD elements
54	Time Run With MIL On	2	Unsigned	0	65535	-	min	Time run with MIL on	FMBXXX FMB920	OBD elements
55	Time Since Codes Cleared	2	Unsigned	0	65535	-	min	Time since codes cleared	FMBXXX FMB920	OBD elements
56	Absolute Fuel Rail Pressure	2	Unsigned	0	65535	0.1	kPa	Absolute fuel rail pressure	FMBXXX FMB900	OBD elements
57	Hybrid battery pack life	1	Unsigned	0	100	-	%	Hybrid battery pack remaining life	FMBXXX FMB920	OBD elements
58	Engine Oil Temperature	1	Unsigned	0	215	-	°C	Engine oil temperature	FMBXXX FMB920	OBD elements
59	Fuel injection timing	2	Signed	-21000	30200	0.01	°	Fuel injection timing	FMBXXX FMB920	OBD elements
543	Hybrid System Voltage	2	Unsigned	0	1024	-	V	Hybrid vehicle system voltage	FMBXXX FMB920	OBD elements
544	Hybrid System Current	2	Signed	-3277	3277	-	A	Hybrid vehicle system current	FMBXXX FMB920	OBD elements
281	Fault Codes	variable	ASCII	0	128	-	-	Fault Codes (values separated via ",")	FMBXXX FMB920	OBD elements
60	Fuel Rate	2	Unsigned	0	32767	0.01	L/h	Engine fuel rate, L/h*100	FMBXXX FMB920	OBD elements

OBD OEM elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
389	OBD OEM Total Mileage	4	Unsigned	0	0xffffffff	-	km	Total mileage received by requesting vehicle specific PID		OBD OEM elements
390	OBD OEM Fuel Level	4	Unsigned	0	0xffffffff	0.1	l	Fuel level in litres received by requesting vehicle specific PID		OBD OEM elements

CAN adapters elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					

81	Vehicle Speed	1	Unsigned	0	255	-	km/h	Vehicle Speed	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
82	Accelerator Pedal Position	1	Unsigned	0	102	-	%	Value in percentages	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
83	Fuel Consumed	4	Unsigned	0	2147483647	0.1	l	Value in liters	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
84	Fuel level	2	Unsigned	0	65535	0.1	l	Value in liters	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
85	Engine RPM	2	Unsigned	0	16384	-	rpm	Value in rounds per minute	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
87	Total Mileage	4	Unsigned	0	4294967295	-	m	Value in meters	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
89	Fuel level	1	Unsigned	0	100	-	%	Value in percentages	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
90	Door Status	2	Unsigned	0	16128	-	-	Door status value: Min – 0, Max – 16128 Door status is represented as bitmask converted to	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL

decimal
value.
Possible
values:
0 – all doors
closed
0x100 (256)
– front left
door is
opened
0x200 (512)
– front right
door is
opened
0x400 (1024)
– rear left
door is
opened
0x800 (2048)
– rear right
door is
opened
0x1000
(4096) –
hood is
opened
0x2000
(8192) –
trunk is
opened
0x3F00

								(16128) – all doors are opened or combinations of values		
100	Program Number	4	Unsigned	0	99999	-	-	Value: Min – 0, Max – 99999	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
101	Module ID 8B	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Module ID 8 Bytes	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
388	Module ID 17B	17	HEX	0	0x7FFFFFFFFFFFFFFF	-	-	Module ID 17 Bytes	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
102	Engine Worktime	4	Unsigned	0	1677215	-	min	Engine work time	FMBXXX	ALLCAN300, CANCONTROL
103	Engine Worktime (counted)	4	Unsigned	0	1677215	-	min	Total engine work time	FMBXXX	ALLCAN300, CANCONTROL
105	Total Mileage (counted)	4	Unsigned	0	4294967295	-	m	Total Vehicle Mileage	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
107	Fuel Consumed (counted)	4	Unsigned	0	2147483647	0.1	l	Total Fuel Consumed	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
110	Fuel Rate	2	Unsigned	0	32768	0.1	l/h	Fuel rate	FMBXXX	ALLCAN300
111	AdBlue Level	1	Unsigned	0	100	-	%	AdBlue	FMBXXX	ALLCAN300

112	AdBlue Level	2	Unsigned	0	65535	0.1	l	AdBlue level	FMBXXX	ALLCAN300
114	Engine Load	1	Unsigned	0	130	-	%	Engine Load	FMBXXX	ALLCAN300
115	Engine Temperature	2	Signed	-600	1270	0.1	°C	Engine Temperature	FMBXXX	LVCAN200, ALLCAN300, CANCONTROL
118	Axle 1 Load	2	Unsigned	0	32768	-	kg	Axle 1 load	FMBXXX	ALLCAN300
119	Axle 2 Load	2	Unsigned	0	32768	-	kg	Axle 2 load	FMBXXX	ALLCAN300
120	Axle 3 Load	2	Unsigned	0	32768	-	kg	Axle 3 load	FMBXXX	ALLCAN300
121	Axle 4 Load	2	Unsigned	0	32768	-	kg	Axle 4 load	FMBXXX	ALLCAN300
122	Axle 5 Load	2	Unsigned	0	32768	-	kg	Axle 5 load	FMBXXX	ALLCAN300
123	Control State Flags	4	Unsigned	0	4294967295	-	-	Control state flags	FMBXXX	ALLCAN300, CANCONTROL
124	Agricultural Machinery Flags	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Agricultural machinery flags	FMBXXX	ALLCAN300
125	Harvesting Time	4	Unsigned	0	16777215	-	min	Harvesting time	FMBXXX	ALLCAN300
126	Area of Harvest	4	Unsigned	0	4294967295	-	m ²	Area of harvest in square meters	FMBXXX	ALLCAN300
127	Mowing Efficiency	4	Unsigned	0	4294967295	-	m ² /h	Mowing efficiency	FMBXXX	ALLCAN300
128	Grain Mown Volume	4	Unsigned	0	4294967295	-	kg	Mown volume	FMBXXX	ALLCAN300
129	Grain Moisture	2	Unsigned	0	100	-	%	Grain moisture	FMBXXX	ALLCAN300

130	Harvesting Drum RPM	2	Unsigned	0	65535	-	rpm	Harvesting drum rpm	FMBXXX	ALLCAN300
131	Gap Under Harvesting Drum	1	Unsigned	0	255	-	mm	Gap under harvesting drum	FMBXXX	ALLCAN300
132	Security State Flags	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Security state flags	FMBXXX	ALLCAN300, CANCONTROL
133	Tachograph Total Vehicle Distance	4	Unsigned	0	4294967295	-	m	Tacho Total Vehicle Distance	FMBXXX	ALLCAN300
134	Trip Distance	4	Unsigned	0	4294967295	-	m	Trip distance	FMBXXX	ALLCAN300
135	Tachograph Vehicle Speed	2	Unsigned	0	255	-	km/h	Tacho vehicle speed	FMBXXX	ALLCAN300
136	Tacho Driver Card Presence	1	Unsigned	0	3	-	-	Tacho Driver Card Presence	FMBXXX	ALLCAN300
137	Driver 1 States	1	Unsigned	0	255	-	-	Driver 1 States	FMBXXX	ALLCAN300
138	Driver 2 States	1	Unsigned	0	255	-	-	Driver 2 States	FMBXXX	ALLCAN300
139	Driver 1 Continuous Driving Time	2	Unsigned	0	65535	-	min.	Driver 1 Continuous Driving Time, minutes	FMBXXX	ALLCAN300
140	Driver 2 Continuous	2	Unsigned	0	65535	-	min.	Driver 2 Continuous	FMBXXX	ALLCAN300

	Driving Time								Driving Time, minutes		
141	Driver 1 Cumulative Break Time	2	Unsigned	0	65535	-	min.	Driver 1 Cumulative Break Time, minutes	FMBXXX	ALLCAN300	
142	Driver 2 Cumulative Break Time	2	Unsigned	0	65535	-	min.	Driver 2 Cumulative Break Time, minutes	FMBXXX	ALLCAN300	
143	Driver 1 Selected Activity Duration	2	Unsigned	0	65535	-	min.	Driver 1 Duration Of Selected Activity, minutes	FMBXXX	ALLCAN300	
144	Driver 2 Selected Activity Duration	2	Unsigned	0	65535	-	min.	Driver 2 Duration Of Selected Activity, minutes	FMBXXX	ALLCAN300	
145	Driver 1 Cumulative Driving Time	2	Unsigned	0	65535	-	min.	Driver 1 Cumulative Driving Time, minutes	FMBXXX	ALLCAN300	
146	Driver 2 Cumulative Driving Time	2	Unsigned	0	65535	-	min.	Driver 2 Cumulative Driving Time, minutes	FMBXXX	ALLCAN300	

147	Driver 1 ID High	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Driver 1 ID High	FMBXXX	ALLCAN300
148	Driver 1 ID Low	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Driver 1 ID Low	FMBXXX	ALLCAN300
149	Driver 2 ID High	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Driver 2 ID High	FMBXXX	ALLCAN300
150	Driver 2 ID Low	8	Unsigned	0	0xFFFFFFFFFFFFFFFF	-	-	Driver 2 ID Low	FMBXXX	ALLCAN300
151	Battery Temperature	2	Signed	-600	1270	0.1	°C	Battery temperature in Celsius	FMBXXX	ALLCAN300
152	Battery Level	1	Unsigned	0	100	-	%	Battery level in percent	FMBXXX	ALLCAN300, CANCONTROL
160	DTC Faults	1	Unsigned	0	255	-	-	DTC faults Count	FMBXXX	ALLCAN300, CANCONTROL
161	Slope of Arm	2	Signed	-3276	3276	-	Degrees °	Slope Of Arm	FMBXXX	ALLCAN300
162	Rotation of Arm	2	Signed	-180	180	-	Degrees °	Rotation Of Arm	FMBXXX	ALLCAN300
163	Eject of Arm	2	Unsigned	0	6553	-	m	Eject of arm	FMBXXX	ALLCAN300
164	Horizontal Distance Arm Vehicle	2	Unsigned	0	6553	-	m	Horizontal Distance Arm Vehicle	FMBXXX	ALLCAN300
165	Height Arm Above Ground	2	Unsigned	0	6553	-	m	Height Arm Above Ground	FMBXXX	ALLCAN300
166	Drill RPM	2	Unsigned	0	65535	-	rpm	Drill RPM	FMBXXX	ALLCAN300

167	Amount Of Spread Salt Square Meter	2	Unsigned	0	655	-	g/m ²	Amount Of Spread Salt Square Meter	FMBXXX	ALLCAN300
168	Battery Voltage	2	Unsigned	0	6553	-	V	Battery Voltage	FMBXXX	ALLCAN300
169	Amount Of Spread Fine Grained Salt	4	Unsigned	0	1677722	-	T	Amount Of Spread Fine Grained Salt	FMBXXX	ALLCAN300
170	Amount Of Coarse Grained Salt	4	Unsigned	0	1677722	-	T	Amount Of Coarse Grained Salt	FMBXXX	ALLCAN300
171	Amount Of Spread DiMix	4	Unsigned	0	1677722	-	T	Amount Of Spread DiMix	FMBXXX	ALLCAN300
172	Amount Of Spread Coarse Grained Calcium	4	Unsigned	0	1677722	-	m ³	Amount Of Spread Coarse Grained Calcium	FMBXXX	ALLCAN300
173	Amount Of Spread Calcium Chloride	4	Unsigned	0	1677722	-	m ³	Amount Of Spread Calcium Chloride	FMBXXX	ALLCAN300
174	Amount Of Spread Sodium Chloride	4	Unsigned	0	1677722	-	m ³	Amount Of Spread Sodium Chloride	FMBXXX	ALLCAN300
176	Amount Of Spread	4	Unsigned	0	1677722	-	m ³	Amount Of Spread	FMBXXX	ALLCAN300

177	Magnesium Chloride Amount Of Spread Gravel	4	Unsigned	0	1677722	-	T	Magnesium Chloride Amount Of Spread Gravel	FMBXXX	ALLCAN300
178	Amount Of Spread Sand	4	Unsigned	0	1677722	-	T	Amount Of Spread Sand	FMBXXX	ALLCAN300
183	Width Pouring Left	2	Unsigned	0	655	-	m	Width Pouring Left	FMBXXX	ALLCAN300
184	Width Pouring Right	2	Unsigned	0	655	-	m	Width Pouring Right	FMBXXX	ALLCAN300
185	Salt Spreader Working Hours	4	Unsigned	0	167722	-	h	Salt Spreader Working Hours	FMBXXX	ALLCAN300
186	Distance During Salting	4	Unsigned	0	167722	-	km	Distance During Salting	FMBXXX	ALLCAN300
187	Load Weight	4	Unsigned	0	16772215	-	kg	Load Weight	FMBXXX	ALLCAN300
188	Retarder Load	1	Unsigned	0	130	-	%	Retarded Load in percent	FMBXXX	ALLCAN300
189	Cruise Time	4	Unsigned	0	16772215	-	min	Cruise time in minutes	FMBXXX	ALLCAN300
232	CNG Status	1	Unsigned	0	1	-	-	CNG Status	FMBXXX	LVCAN200, CANCONTROL
233	CNG Used	4	Unsigned	0	16772215	-	kg	CNG used	FMBXXX	LVCAN200, CANCONTROL

234	CNG Level	1	Unsigned	0	100	-	%	CNG Level	FMBXXX	LVCAN200, CANCONTROL
235	Oil Level	1	Unsigned	0	1	-	-	Engine Oil Level	FMBXXX	ALLCAN300, CANCONTROL
304	Vehicles Range On Battery	4	Unsigned	0	16777215	-	m	Vehicle Range on Battery	FMBXXX	ALLCAN300, CANCONTROL
305	Vehicles Range On Additional Fuel	4	Unsigned	0	16777215	-	m	Vehicle Range On Additional Fuel	FMBXXX	ALLCAN300, CANCONTROL
325	VIN	17	ASCII	0	0xFF	-	-	VIN number	FMBXXX	CANCONTROL
282	Fault Codes	Variable	-	0	128	-	-	DTC Fault codes	FMBXXX	LV-CAN200 + DTC
517	Security State Flags P4	8	HEX	0	0xffffffffffffff	-	-	Security state flags protocol 4, more information click here Flags	FMBXXX	ALLCAN300
518	Control State Flags P4	8	HEX	0	0xffffffffffffff	-	-	Control state flags protocol 4, more information click here Flags	FMBXXX	ALLCAN300
519	Indicator State Flags P4	8	HEX	0	0xffffffffffffff	-	-	Indicator state flags protocol 4, more	FMBXXX	ALLCAN300

520	Agricultural State Flags P4	8	HEX	0	0xffffffffffffffff	-	-	information click here Flags Agricultural state flags protocol 4, more information click here Flags	FMBXXX	ALLCAN300
521	Utility State Flags P4	8	HEX	0	0xffffffffffffffff	-	-	Utility state flags protocol 4, more information click here Flags	FMBXXX	ALLCAN300
522	Cistern State Flags P4	8	HEX	0	0xffffffffffffffff	-	-	Cistern state flags protocol 4, more information click here Flags	FMBXXX	ALLCAN300
855	LNG Used	4	Unsigned	0	214748364	-	kg	Total LNG used in kilograms	FMBXXX	ALLCAN300, CANCONTROL
856	LNG Used (counted)	4	Unsigned	0	214748364	-	kg	Total LNG used counted in kg	FMBXXX	ALLCAN300, CANCONTROL
857	LNG Level	2	Unsigned	0	100	-	%	LNG level in proc	FMBXXX	ALLCAN300, CANCONTROL

858	LNG Level	2	Unsigned	0	6553	-	kg	LNG level in kg	FMBXXX	ALLCAN300, CANCONTROL
-----	-----------	---	----------	---	------	---	----	-----------------	--------	--------------------------

BLE Sensors I/O elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
385	Beacon	Variable	HEX	0	1024	-	-	List of Beacon IDs	FMBXXX FMB920	Permanent I/O elements
25	BLE Temperature #1	2	Signed	-4000	12500	0.01*	°C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing	FMBXXX FMB920	Bluetooth Low Energy
26	BLE Temperature #2	2	Signed	-4000	12500	0.01*	°C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found	FMBXXX FMB920	Bluetooth Low Energy

								2000 - failed sensor data parsing		
27	BLE Temperature #3	2	Signed	-4000	12500	0.01*	°C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing	FMBXXX FMB920	Bluetooth Low Energy
28	BLE Temperature #4	2	Signed	-4000	12500	0.01*	°C	Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing	FMBXXX FMB920	Bluetooth Low Energy
29	BLE Battery #1	1	Unsigned	0	100	-	%	Battery level of sensor #1	FMBXXX FMB920	Bluetooth Low Energy

20	BLE Battery #2	1	Unsigned	0	100	-	%	Battery level of sensor #2	FMBXXX FMB920	Bluetooth Low Energy
22	BLE Battery #3	1	Unsigned	0	100	-	%	Battery level of sensor #3	FMBXXX FMB920	Bluetooth Low Energy
23	BLE Battery #4	1	Unsigned	0	100	-	%	Battery level of sensor #4	FMBXXX FMB920	Bluetooth Low Energy
86	BLE Humidity #1	2	Unsigned	0	1000	0.1*	%RH	Humidity	FMBXXX FMB920	Bluetooth Low Energy
104	BLE Humidity #2	2	Unsigned	0	1000	0.1*	%RH	Humidity	FMBXXX FMB920	Bluetooth Low Energy
106	BLE Humidity #3	2	Unsigned	0	1000	0.1*	%RH	Humidity	FMBXXX FMB920	Bluetooth Low Energy
108	BLE Humidity #4	2	Unsigned	0	1000	0.1*	%RH	Humidity	FMBXXX FMB920	Bluetooth Low Energy
270	BLE Fuel Level #1	2	Unsigned	0	65535	-	-	Fuel Level	FMBXXX FMB920	Bluetooth Low Energy
273	BLE Fuel Level #2	2	Unsigned	0	65535	-	-	Fuel Level	FMBXXX FMB920	Bluetooth Low Energy
276	BLE Fuel Level #3	2	Unsigned	0	65535	-	-	Fuel Level	FMBXXX FMB920	Bluetooth Low Energy
279	BLE Fuel Level #4	2	Unsigned	0	65535	-	-	Fuel Level	FMBXXX FMB920	Bluetooth Low Energy
306	BLE Fuel Frequency #1	4	Unsigned	0	2147483647	-	-	Frequency value of BLE fuel sensor #1	FMBXXX	Bluetooth Low Energy
307	BLE Fuel Frequency #2	4	Unsigned	0	2147483647	-	-	Frequency value of BLE fuel sensor #2	FMBXXX FMB920	Bluetooth Low Energy
308	BLE Fuel Frequency #3	4	Unsigned	0	2147483647	-	-	Frequency value of BLE fuel sensor #3	FMBXXX FMB920	Bluetooth Low Energy
309	BLE Fuel Frequency #4	4	Unsigned	0	2147483647	-	-	Frequency value of BLE fuel sensor #4	FMBXXX FMB920	Bluetooth Low Energy

335	BLE Luminosity #1	2	Unsigned	0	0xFFFF	-	1x	Luminosity value of BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
336	BLE Luminosity #2	2	Unsigned	0	0xFFFF	-	1x	Luminosity value of BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
337	BLE Luminosity #3	2	Unsigned	0	0xFFFF	-	1x	Luminosity value of BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
338	BLE Luminosity #4	2	Unsigned	0	0xFFFF	-	1x	Luminosity value of BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
331	BLE 1 Custom #1	Variable	HEX	0	-	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
463	BLE 1 Custom #2	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
464	BLE 1 Custom #3	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
465	BLE 1 Custom #4	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
466	BLE 1 Custom #5	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
332	BLE 2 Custom #1	Variable	HEX	0	-	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
467	BLE 2 Custom #2	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
468	BLE 2 Custom #3	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
469	BLE 2 Custom #4	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
470	BLE 2 Custom #5	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
333	BLE 3 Custom #1	Variable	HEX	0	-	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy

471	BLE 3 Custom #2	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
472	BLE 3 Custom #3	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
473	BLE 3 Custom #4	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
474	BLE 3 Custom #5	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
334	BLE 4 Custom #1	Variable	HEX	0	-	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
475	BLE 4 Custom #2	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
476	BLE 4 Custom #3	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
477	BLE 4 Custom #4	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy
478	BLE 4 Custom #5	8	UNSIGNED LONG INT	0	4294967295	-	-	Custom IO element for BLE sensor	FMBXXX FMB920	Bluetooth Low Energy