

If all I/O elements are disabled AVL packet comes with GPS information only. After enabling I/O element(s) AVL packet in couple with GPS information contains current value(s) of enabled I/O element.

Permanent I/O elements (are always sent (with every record) to server if enabled)			
Property ID in AVL packet	Property Name	Bytes	Description
1	Digital Input Status 1	1	Logic: 0 / 1
2	Digital Input Status 2	1	Logic: 0 / 1
3	Digital Input Status 3	1	Logic: 0 / 1
4	Digital Input Status 4	1	Logic: 0 / 1
9	Analog Input 1	2	Voltage: mV, 0 – 30 V
10	Analog Input 2	2	Voltage: mV, 0 – 30 V
11	Analog Input 3	2	Voltage: mV, 0 – 30 V
19	Analog Input 4	2	Voltage: mV, 0 – 30 V
21	GSM signal level	1	Value in scale 1 – 5
22	Actual profile	1	Value in scale 1 – 4
24	Speedometer	2	Value in km/h, 0 – xxx km/h
66	External Power Voltage	2	Voltage: mV, 0 – 30 V
67	Internal Battery Voltage	2	Voltage: mV
68	Internal Battery Current	2	Voltage: mA
70	PCB Temperature	4	10 * Degrees (°C)
71	GNSS status	1	0-off/ 1-no antenna (only when using NAVYS)/ 2- no fix/ 3-got fix/ 4-sleep/ 5-over current
72	Dallas Temperature 1	4	10 * Degrees (°C), -55 - +115, if 3000 – Dallas error
73	Dallas Temperature 2	4	10 * Degrees (°C), -55 - +115, if 3000 – Dallas error
74	Dallas Temperature 3	4	10 * Degrees (°C), -55 - +115, if 3000 – Dallas error
76	Fuel Counter	4	Difference of generated impulses on two signal lines
78	iButton ID	8	iButton ID number
181	GPS PDOP	2	Probability * 10; 0-500
182	GPS HDOP	2	Probability * 10; 0-500
199	Odometer	4	Distance between two records: m
200	Deep Sleep	1	0 – not deep sleep mode, 1 – deep sleep mode
205	Cell ID	2	GSM base station ID
206	Area Code	2	Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations. Max value: 65536
240	Movement	1	0 – not moving, 1 – moving.
241	Current Operator Code	4	Currently used GSM Operator code

Permanent I/O elements (are always sent (with every record) to server if enabled)			
Property ID in AVL packet	Property Name	Bytes	Description
201	Fuel level meter 1	2	Fuel level, measured by LLS sensor on COM1, in kvants or liters.
202	Fuel temperature 1	1	Fuel temperature, measured by LLS sensor on COM1, in degrees Celsius.
203	Fuel level meter 2	2	Fuel level, measured by LLS sensor on COM2, in kvants or liters.
204	Fuel temperature 2	1	Fuel temperature, measured by LLS sensor on COM2, in degrees Celsius.
208	RFID ID	8	Read RFID value, depending on RFID mode, values can be: for RFID mode in hexadecimal format, RFID M7 mode in decimal format.

Eventual IO elements (generated and sent record to server only if appropriate conditions are met)			
Property ID in AVL packet	Property Name	Bytes	Description
145	CAN 0	Varying	ID Specific data
146	CAN 1	Varying	ID Specific data
147	CAN 2	Varying	ID Specific data
148	CAN 3	Varying	ID Specific data
149	CAN 4	Varying	ID Specific data
150	CAN 5	Varying	ID Specific data
151	CAN 6	Varying	ID Specific data
152	CAN 7	Varying	ID Specific data
153	CAN 8	Varying	ID Specific data
154	CAN 9	Varying	ID Specific data