

When no I/O element is enabled, AVL packet comes with GPS information only. After enabling I/O element(s) AVL packet along with GPS information contains current value(s) of enabled I/O element.

<b>Permanent I/O elements (are always sent to server if enabled)</b>			
Property ID	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
9	Analog Input 1	2	Voltage: mV, 0 – 30 V
21	GSM level	1	GSM signal level value in scale 1 – 5
24	Speed	2	Value in km/h, 0 – xxx km/h
66	External Power Voltage	2	Voltage: mV, 0 – 30 V
69	GPS Power	2	States: 0 – short circ., 1 – connected.
72	Dallas Temperature	4	10 * Degrees ( °C ), -55 - +115, if 3000 – Dallas error
78	iButton ID	8	iButton ID number
80	Data Mode	1	0 – home on stop, 1 – home on move, 2 – roaming on stop, 3 – roaming on move, 4 – unknown on stop, 5 – unknown on move
179	Digital output 1 state	1	Logic: 0 / 1
180	Digital output 2 state	1	Logic: 0 / 1
181	PDOP	2	Probability * 10; 0-500
182	HDOP	2	Probability * 10; 0-500
199	Odometer Value (Virtual 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 Sensor	1	0 – not moving, 1 – moving.
241	GSM operator Code	4	Currently used GSM Operator code
<b>Eventual I/O elements (generate and send record to server only if appropriate conditions are met)</b>			
Property ID	Property Name	Bytes	Description
250	Trip	1	1 – trip start, 0 – trip stop
251	Immobilizer	1	1 – iButton connected
252	Authorized driving	1	1 – authorized iButton connected
253	Green driving type	1	1 – harsh acceleration, 2 – harsh braking, 3 - harsh cornering
254	Green driving value	1	Depending on green driving type: if harsh acceleration or braking – g*100 (value 123 -> 1.23g), if harsh cornering – degrees (value in radians)
255	Over Speeding	2	At over speeding start km/h, at over speeding end km/h