Vivaldi Onboard Unit

1. OBDII 16 PIN J1962 Connector
2. Micro SIM Slot
3. LED Diode

**DIMENSIONS** (l x w x h) 41.6 x 18.5 x 49.0 mm

**WEIGHT** 40 g

**POWER SUPPLY** 12V DC (min. 9V, max. 18V)

**OPERATING RANGE** –20° to +60° C

**HARDWARE SPECIFICATION**

- **Supported Protocols**
  - ISO 9141-2, K-line, CAN ISO 11898/
    ISO15765-4 H/M/L CAN, ISO 14230
    (KWP2000), ISO 15765 (CAN)
- **SIM**
- **Connector**
- **Dimensions (l x w x h)** 41.6 mm × 18.5 mm × 49 mm
- **Weight** 40 g
- **Power Supply** 12V DC (min. 9V, max. 18V)
- **Operating Current (Normal/Sleep)** < 150 mA/< 10 mA
- **Internal storage** 8 GB
- **Status LED indicator** Present
- **Operating Temperature** Temp – 20° to + 60° Celsius
- **Wi-Fi** IEEE 802.11 b/g/n (2.4GHz)
- **Communication** WCDMA: 2100MHz, 1800MHz, 900MHz
- **GPS**
- **Accelerometer**
- **Bluetooth 4.0**
- **RAM memory** 512 MB

Subject to technical change without notice
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### Threshold for Acceleration

- Speed increase within 3s $> 50\%$
- Speed increase within 5s $> 32\text{km/h}$
- Average acceleration with 5s $\geq 1.8\text{m/s}^2$

2 or more occurrences of conditions will be categorised as harsh accelerating

### Threshold for Deceleration

- Speed reduction within 3s $> 50\%$
- Speed reduction within 5s $> 35\text{km/h}$
- Average acceleration within 5s $\leq -3.5\text{m/s}^2$

2 or more occurrences of conditions will be categorised as sharp deceleration

### Car Specific Signals

The signals listed above are the current maximum that Vivaldi onboard unit is able to read. The actual number of available signals is completely dependent on the manufacturer, type and year of production of each individual vehicle that is being monitored by the unit. The availability of all listed signals can not be guaranteed.

1. Mileage (total) km
2. Mileage (endurance) km
3. Instant fuel consumption L
4. Instant fuel consumption %
5. Fuel consumption mL
6. Coolant temperature °C
7. Engine intake air temperature °C
8. Air-conditioning temperature °C
9. Current battery voltage V
10. Left front tyre speed km
11. Right front tyre speed km
12. Left rear tyre speed km
13. Right rear tyre speed km
14. Vehicle speed km
15. Engine speed rpm
16. Fuel consumption (average) L/100KM
17. Fuel consumption (instant) L/100KM
18. Fuel consumption (instant) L/H
19. Oil life %
20. Oil pressure kPa
21. Air flow g
22. Intake manifold absolute pressure
23. Fuel injection pulse width ms
24. Throttle pedal relative position %
25. Throttle pedal
26. Steering wheel angle °
27. Steering wheel angle status
28. Fuel level L
29. Fuel level %
30. Accumulated mileage km
31. Mileage ID
32. APK battery current voltage V
33. Vehicle acceleration m/s²
34. Brake pedal relative position
35. High beam status
36. Low beam status
37. Width light status
38. Fog light status
39. Left turn light status
40. Right turn light status
41. Hazard warning light status
42. Left front door status
43. Right front door status
44. Left rear door status
45. Right left rear door status
46. Trunk status
47. Full lock status
48. Left front door lock status
49. Right front door lock status
50. Left rear door lock status
51. Right left rear door lock status
52. Trunk lock status
53. Left front window status
54. Right front window state
55. Left rear window state
56. Right rear window state
57. Car sunroof state
58. Fault signal (ECM)
59. Fault signal (ABS)
60. Fault signal (SRS)
61. Alarm signal (oil)
62. Alarm signal (tyre pressure)
63. Alarm signal (maintenance)
64. Airbag status
65. Parking brake status
66. Brake status
67. Seat belt status (driver)
68. Seat belt status (copilot)
69. ACC signal
70. Key status
71. Remote control signal
72. Wiper status
73. Air-conditioning switch
74. Shift level

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