

OBD II DEVICE:



DESCRIPTION

iWave's OBD II device is a vehicle tracking & monitoring device that enables you to track and monitor the driving behavior and car diagnostics remotely from your Mobile or PC.

APPLICATIONS

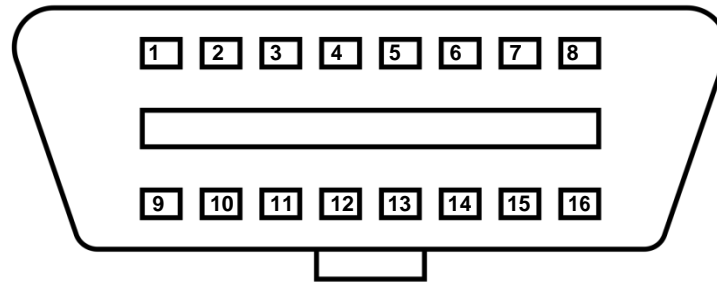
- Vehicle Telematics
- Connected Car for Insurance Companies
- Fleet management Systems
- Cab Aggregators
- Two-Wheeler Applications
- Immobilization
- Automotive IoT

**HARDWARE FEATURES:
SPECIFICATIONS:**

Features	Description	Optional
CPU	ARM cortex A7 Processor	
Memory	DDR3 RAM NAND Flash	
Positioning & Sensors	GPS Receiver with Antenna 3 Axis Accelerometer 3 axis Gyroscope	3 Axis Magnetometer*
Communication: Cellular support	2G/3G/LTE Module with Antenna	WiFi Module with Antenna* (802.11b/g/n) *, USB OTG*, Status LED* & BLE4.0*
OBD II Protocol Support	ISO 15765-4 CAN Protocol	ISO 14230 KWP2000*, ISO 9141-2*, SAE J1850 PWM* & SAE J1850 VPW*
OS	Linux 3.14.38	
Software Support	Send GPS data, Accelerometer data, Basic Car Parameters over 4G/3G/2G through MQTT Protocol to Cloud.	Act WiFi as Access Point* Refer the data below
Dimensions	80 x 52 x 25mm (excluding OBD II Connector)	
Temperature Support	-20°C to +85°C (Except Battery)	
GNSS	GPS, GLONASS	
Power	12V/24V Input Power from OBD II Port	
Enclosure	Plastic	
SIM Support	Nano SIM Connector and Access is internal	eSIM*
Battery	Lithium-ion Polymer (LIP) 100 mAh	
IO Connector	Analog inputs, GPIOs etc.	
OBD II Interface via J1962 compliant connector		

Note: * Based on customer requirement, optional Features/Protocols can be supported.

OBD II – J1962 compliant Connector:



Pin	Description
1	Vendor option
2	Vendor option
3	Vendor option
4	Chassis GND
5	Signal GND
6	CAN High (ISO 15765-4)
7	K-Line of ISO 9141-2 / ISO 14230-4
8	Vendor option
9	Vendor option
10	Vendor option
11	Vendor option
12	Vendor option
13	Vendor option
14	CAN Low (ISO 15765-4)
15	L-Line of ISO 9141-2 / ISO 14230-4
16	+12v Battery power

CELLULAR SUPPORT:

Region	Europe & Asia	America	Verizon America
Cellular Support	FDD-LTE: B1, B3, B5, B7, B8, B20 TDD-LTE: B38, B40, B41 WCDMA: B1, B5, B8 GSM: 900/1800	FDD-LTE: B2, B4, B12 WCDMA: B2, B4, B5	FDD-LTE: B4, B13
Region	Japan	Australia	
Cellular Support	FDD-LTE: B1, B3, B8, B18, B19, B26 TDD-LTE: B41 WCDMA: B1, B6, B19	FDD-LTE: B, B3, B4, B5, B7, B8, B28 TDD-LTE: B40 WCDMA: B1, B2, B5, B8 GSM: 850/900/1800/1900	

SOFTWARE FEATURES:

iWAVE CAR TRACKER APPLICATION:

iWave Car tracker application provides the details like Live – location tracking(GPS), Driver Behavior, Ignition status, Trip history, Fuel Status etc. on Mobile.

DASHBOARD SUPPORT ON CLOUD/SERVER:

iWave OBDII device sends the data such as car parameters, GPS and sensors to the Cloud/server to display in Dashboard. The device supports different Cloud such as Amazon AWS, Microsoft azure and IBM Bluemix or TCP/IP server.

CONTACT INFO

iWave Systems Tech. Pvt. Ltd. 7/B, 29 th Main, BTM Layout, 2 nd Stage, Bangalore –560 076, India.	Telephone	+91-80-2668-3700 +91-80-2678-1643
	e-mail	mktg@iwavesystems.com
	Website	www.iwavesystems.com