

# CarChip Connect<sup>®</sup>

## OBD II - Based Vehicle Data Logger with Cellular & Optional GPS



8351  
8352

CarChip Connect data logger, when used with a service plan, records vehicle location (#8351 with GPS plans), trip and performance data, then reports that data via cellular connection to a secure web site. It provides detailed data on vehicle routes and location, driver performance, and vehicle operation. Reported data includes trip start and end times, vehicle speeds, rates of acceleration and braking, and any detected OBD II trouble codes. Fleet managers can set geofences to control vehicle territories be alerted when a driver enters or exits a geofence. Exclusive G-Bubble™ monitors vehicle movement in three directions. Managers can run, view, and print a range of customizable reports, and export the data to Excel. It can also sound an alarm whenever a driver exceeds user-determined limits.

CarChip Connect data logger plugs into a vehicle's OBD II port and is compatible with most passenger cars and light trucks model years 1996 and later. It has a secure, web-based user interface.

### General

Operating Temperature	-4° to +140°F (-20° to +60°C)
Operating Humidity	5 to 95% RH non-condensing
Operating Voltage	7-16V
Backup Battery	Lithium polymer rechargeable, 400mAh nominal capacity
Body Dimensions (without connector)	1.9" x 1.0" x 1.5" (48 mm x 25 mm x 38 mm)
Weight	1.7 oz. (48 g)
Power Consumption	
With vehicle running	70mA
With vehicle off	25mA
On-Board Memory	
Data Logging	Depends on plan's logging intervals.
Platinum (1-minute speed & GPS logging intervals):	30 driving hours
Gold (5-minute speed & GPS logging intervals):	150 driving hours
Silver (Exception Only):	600 hours
Geofences	Depends upon the number of points per geofence; more than 200 10-point fences
Time & Date	Set by GPS satellites
Mounting	16-pin OBD II connector
Alarm	Audible alarm with adjustable volume
Accelerometer	3-axis; automatic orientation
LEDs Indicate:	
Red	Cellular Status
Amber	GPS (location) Status
Green	Status Okay
Blue	Vehicle Communication

### GPS

Antenna	Internal
Channels	50
Receiver Sensitivity	-163dBm
Acquisition Time	
Hot start	<1 second
Cold Start	<30 seconds
Accuracy	Up to +/- 1 m in ideal conditions

**CarChip Connect****Cellular**

Band .....	Dual band GSM/GPRS
850/1900 MHz .....	Product numbers: 8351, 8351G, 8351CA, 8351S, 8352, 8352G, 8352CA, 8352S
900/1800 MHz .....	Product numbers; 8351OV, 8351SOV, 8352OV, 8352SOV
Antenna .....	Internal

**OBD Compatibility**

Supported Protocols .....	PWM (SAE J1850) VPW (SAE J1850 VPW) ISO (ISO 9141-2) KWP 2000 (ISO 14230-4) CAN (ISO 15765-4)
CarChip-Compatible Vehicles	
US Market .....	Most domestic and import vehicles model years (MY)1996 and later.
European Market .....	Some vehicle MY1996-2000 and most gasoline vehicles MY 2001 and later, and MY 2004 and later diesel vehicles compliant with the supported protocols listed above.
Elsewhere .....	Undetermined. 1996 and later vehicles that are compliant with the supported protocols may or may not be compatible.
OBD II Incompatible Vehicles .....	CarChip Connect meets and complies with all of the supported protocols used with US market vehicles MY1996 and newer. Despite this, incompatibilities still exist. Review the CarChip Exclusions List to see the known exceptions, exclusions and anomalies, available on <a href="http://www.carchipconnect.com/support/">www.carchipconnect.com/support/</a>

**Package Dimensions**

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
8351	2" x 2" x 2" 5cm x 5cm x 5cm	0.130 lbs (2.1 oz) 59 g	8351: 011698009480 8351G: 011698009725 8351CA: 011698009626 8351OV: 011698009718 8351S: 011698009732 8351SOV: 011698010462
8352	2" x 2" x 2" 5cm x 5cm x 5cm	0.130 lbs (2.1 oz) 59 g	8352: 011698009602 8352G: 011698009763 8352CA: 011698009749 8352OV: 011698009756 8352S: 011698009770 8352SOV: 011698010479