

# *Make your work vehicles* ***work for you!***



## ***Safety***

- A compact and effective driver training tool
- Alarms alert drivers when speed or braking is excessive



## ***Savings***

- Reduce vehicle wear and tear while increasing productivity
- One-time purchase — no ongoing fees or subscriptions



## ***Simplicity***

- Plug and drive — installs in seconds
- Simple data download to PC for straightforward trip details

***And much more!***

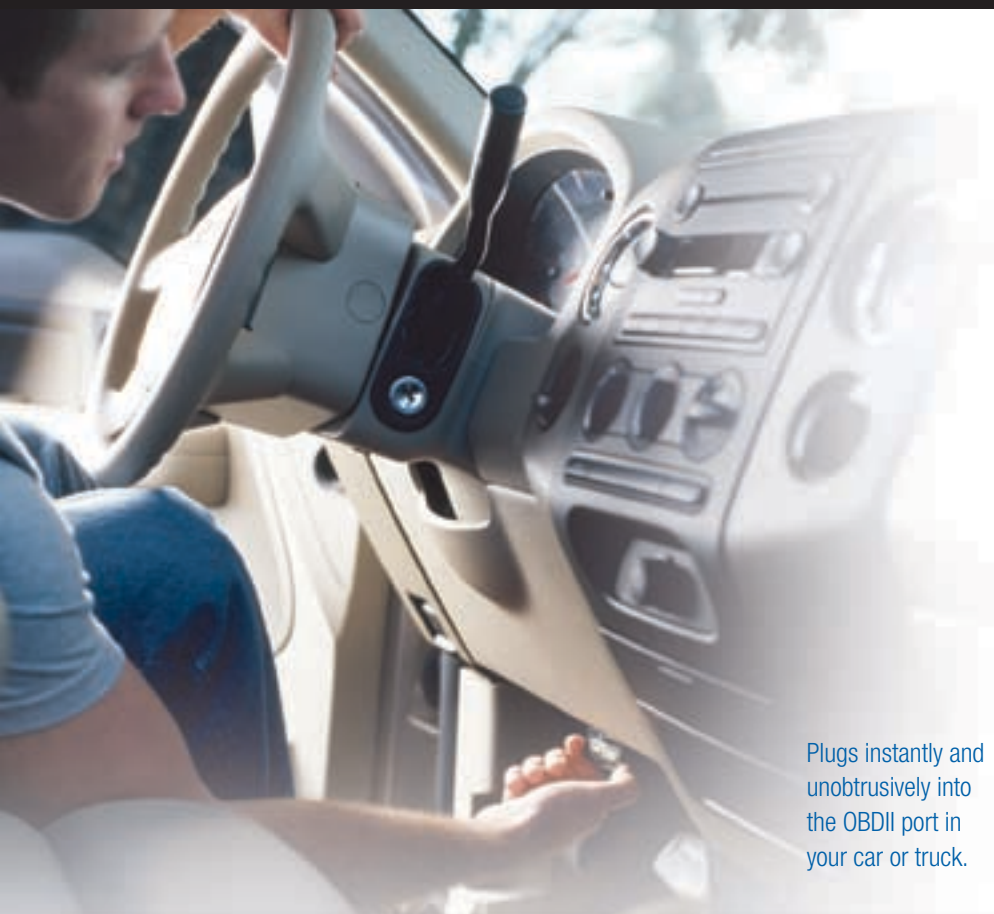
**carchip**<sup>®</sup>

***All-in-One Driving & Engine Performance Monitor***

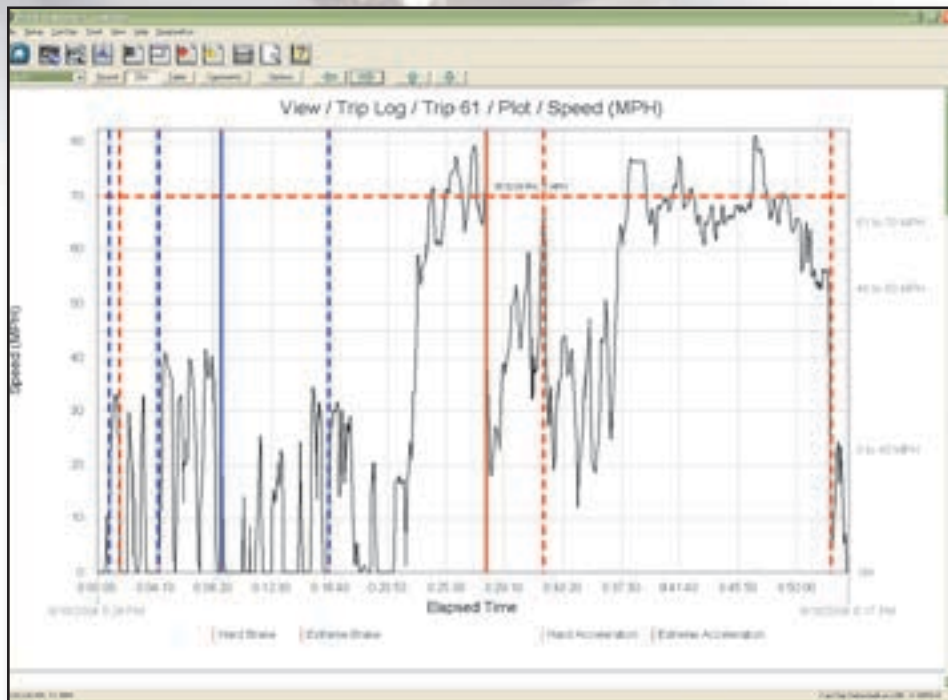
**GREAT FOR YOUR BUSINESS — SERVICE • DELIVERY • CONTRACTING**



## Powerful Vehicle Management Tool for Business Owners



Plugs instantly and unobtrusively into the OBDII port in your car or truck.



CarChip's easy-to-navigate software gives quick access to reports and graphs.

**AS A SMALL-BUSINESS OWNER**, you know that your vehicles are a big part of your bottom line. They are also the public image of your company, as well as a source of safety risks to your employees and the public. But they are often out of your sight and control. CarChip Pro lets you know exactly how and when your vehicles are driven.

### **SAFETY**

- Tracks speed, duration of high speed, and highlights hard and extreme accelerations and braking.
- Set optional, audible alarms to tell drivers when thresholds of speed, acceleration and braking are broken.
- Use graphs to help train drivers.

### **SAVINGS**

- Keep your work vehicles on the road and out of the repair shop by tracking 23 engine performance parameters, four at one time.
- Save on insurance costs. Insurance companies may be willing to apply premium reductions on commercial auto insurance, depending on how many work vehicles you have and your employees' driving records.
- Keep fuel costs down and efficiency up by tracking the mileage of each vehicle.
- Know that your vehicles will pass their next smog check with CarChip's Emissions Readiness function.
- See a return on your investment. CarChip is a one-time purchase unlike subscription-based programs of other fleet management systems.

### **SIMPLICITY**

- Plug & Drive 15-second installation in the OBDII port under the driver's side dashboard. No tools or automotive expertise required.
- Quickly download driving and engine performance data to your PC.
- Easy-to-read trip details, including time and date of each trip, distance traveled, and speed (as often as every second).





**FOR FLEET MANAGERS OF LARGER FLEETS**, CarChip Fleet Pro provides a comprehensive tool for managing your work vehicles. It provides all the benefits of tracking drivers and vehicle performance as CarChip Pro does, but offers added options for tracking and rating driver and vehicle performance with Fleet Management Software, as well as add-ons that provide wireless downloading of vehicle data, and historical GPS.

## FLEET MANAGEMENT SOFTWARE

Fleet Management Software lets you see which employees are helping your work efficiency and business reputation by making appointments and deliveries on time and driving safely.

- Exception reports show you just the data you need, such as which employees regularly exceed set speed limits.
- Rank drivers and vehicles by their Safety Scores using a variety of criteria. View the info in summary or detail.
- Track your entire vehicle fleet or choose from a select group of drivers or vehicles that require more attention.
- Using the Driver Safety Score Report, you can choose factors you want to monitor and weigh each according to its importance.
- View reports in summary or detail, by selected date range, driver name and vehicle ID, and by current or cumulative score.

## ADD-ON ACCESSORIES FOR CARCHIP FLEET PRO

## GPS

CarChip allows you to see how your vehicles are driven. By adding GPS you can also know exactly where they've been. You'll maximize employee productivity by making sure your employees and vehicles are making the most of the workday.

The combination of GPS and CarChip allows you to see where on the map your employees have gone over the speed limit, accelerated too hard or braked too quickly. CarChip and GPS are ideal training and productivity tools that let you see your employees' routes and the locations where each vehicle stopped during the day, work week, or month.

The GPS interface module is easily installed in your work vehicles and mounted to the dashboard or windshield of your vehicle.

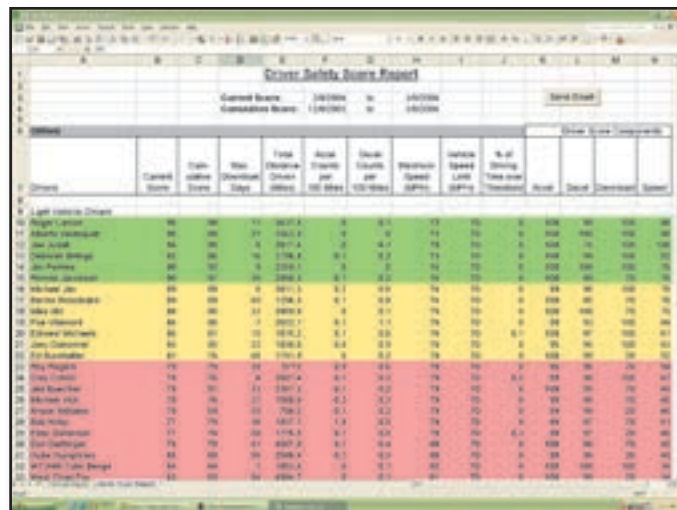
## WIRELESS DOWNLOAD SYSTEM

Our Wireless Download System automatically retrieves the driver and vehicle data. Drivers don't have to do anything but pull into your lot.

The base station receives data from as far as 600 feet away and integrates it with Fleet Management Software on your computer, and can be mounted inside or outside. For larger lots, you can use up to five base stations.



With software such as MapPoint, the GPS module gives you accurate details of where and when each vehicle was driven.



The Driver Safety Score Report allows you to compare current and cumulative safety scores to see how drivers are doing over time.

Vehicle data is wirelessly and automatically transmitted to your office computer up to 600 feet from vehicle to base station.



## CarChip Pro and CarChip Fleet Pro can help your company lower costs and increase productivity.

### DRIVING

- Time and date for each trip.
- Distance traveled.
- Speed (logged up to every second).
- Hard accelerations and braking (excessive accelerations highlighted in blue, excessive braking in red).
- Audible alarms can be set for top speed, and for hard acceleration and braking.
- Accident logs capture the critical 20 seconds during a hard-braking event.
- CarChip Pro records up to 300 hours of data before overwriting earliest trip data.
- CarChip Fleet Pro records up to 1200 hours of data before overwriting earliest trip data.

### PERFORMANCE

- RPM
- Throttle position
- Engine load
- Fuel pressure
- Fuel system status
- Short-term fuel trim (2 ea.)
- Long-term fuel trim (2 ea.)
- Emissions readiness
- Battery voltage
- Timing advance
- Coolant temperature
- Air flow rate
- Intake air temperature
- Intake manifold pressure
- Oxygen sensor output voltage (8 ea.)

### GPS

### PRODUCT FEATURES

- Works with most major third-party mapping programs, including Microsoft MapPoint.
- Maps show each driver's routes, speeds driven, and locations of each stop — accurate to 30'.
- Select map for individual vehicle IDs, drivers, dates and speed.
- Query trip dots for details on time, speed and direction.
- Symbols reveal hard braking.
- Set logging interval from once each second to once every 15 minutes.

### WIRELESS DOWNLOAD SYSTEM

### PRODUCT FEATURES

- Transmission distance up to 600' (200 m) line of sight.
- Set daily vehicle download time according to your company's needs and schedule.
- Drivers don't have to do anything but pull into the lot.
- Base station can be mounted inside or outside.
- Use up to five base stations to cover larger lots.

### FLEET MANAGEMENT SOFTWARE

- Usage Report shows mileage driven, average monthly mileage, and weekend and nighttime driving by employee.
- Driver Safety Score Report summarizes data for each driver using a unique scoring system.
- Exception Reports highlight excessive speed, hard braking, and quick accelerations.
- Use your preferred database platform: Microsoft Access, MySQL, Oracle 9i, or another.
- With optional GPS Module, export the data to Microsoft's MapPoint or Streets and Trips to map each trip, including all starts and stops.



FEATURE COMPARISON	CARCHIP PRO	CARCHIP FLEET PRO
Trip logging (times, dates, & distances)	•	•
Safety logging (high speed, hard starts & stops)	•	•
On-board alarms	•	•
Engine diagnostics	•	•
Individual driver reporting	•	•
Summary reporting		•
Exception reporting		•
GPS tracking		•
Wireless download		•

CARCHIP PRO	LIST PRICE	DESCRIPTION
8226 CarChip Pro	\$119	Includes data logger, software CD and USB cable.

CARCHIP FLEET PRO & ACCESSORIES	LIST PRICE	DESCRIPTION
8246 CarChip Fleet Pro	\$169	Includes data logger (One per vehicle. Software sold separately.)
8186 Fleet Management Software	\$395	Includes disc (one per fleet location), USB cable, Getting Started Manual and Complete User's Manual.
8251 Interface Module	\$65	Connects the GPS module and Wireless On-Board Module to the CarChip Fleet Pro data logger. One per vehicle required.
8128 GPS Module	\$100	Fits on dashboard or windshield. Connects to CarChip Fleet Pro with interface module connector. One per vehicle required.
8129 Wireless On-Board Module	\$120	Transmits vehicle data from CarChip Fleet Pro to the Wireless Base Station. One per vehicle required. Connects to CarChip Fleet Pro with interface module connector.
8130 Wireless Base Station	\$200	Receives data from the Wireless On-Board Module in vehicles. Transmission distance: 600' line of sight. Includes 8' cable to connect to USB port on your computer.
8131 Configuration Cable	\$65	Programs Wireless On-Board Module and base station for initial use. One per office or fleet location required.
7728 Multi-Purpose Shelter	\$85	Weatherproof. Protects Wireless Base Station from harsh conditions when installed outside.
SOLD SEPARATELY Third-Party Mapping Software		Third-party mapping software, such as Microsoft MapPoint is required for mapping fleet vehicles with GPS wireless system.