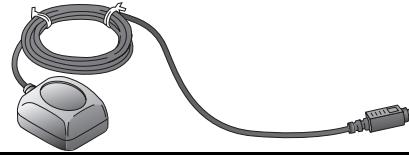


# DriveRight® and CarChip™ GPS Module



8128

The optional GPS module records the vehicle's location, GPS speed, and direction of travel at intervals between 1 second and 10 minutes when connected to either a DriveRight 600E or CarChip Fleet Pro via the GPS/Wireless Interface Module for DriveRight (# 8127) or the GPS/Wireless Interface Module for CarChip (# 8251).

If connected to a DriveRight device, the DriveRight 600E LCD displays the current latitude and longitude, the direction of travel, and the vehicle's GPS speed. The GPS data can be viewed and organized in the DriveRight Fleet Management Software (FMS, # 8186) and exported to mapping software (such as Microsoft MapPoint®) to show the exact route of each trip. Each GPS record includes speed, direction, and the status of the DriveRight 600E's two digital inputs, which can be used to provide a comprehensive profile of operation of vehicle accessories such as brakes or headlights during the course of a trip.

**Note:** The GPS module is optional for the DriveRight 600E and cannot be used with previous versions of the DriveRight device. The GPS Module must be enabled in the DriveRight device prior to installation via FMS for the module to function. You must have FMS version 3.0 or later to configure the GPS module for operation.

If connected to CarChip, the GPS data is displayed via the DriveRight Fleet Management Software (FMS, # 8186). The GPS data can be viewed and organized in FMS and exported to mapping software (such as Microsoft MapPoint®) to show the exact route of each trip. Each GPS record includes speed and direction.

**Note:** The GPS/Wireless Interface Module for DriveRight (# 8127) or the GPS/Wireless Interface for CarChip (# 8251) must be installed in conjunction with the GPS Module.

## General

Operating Temperature . . . . .	-40°F to +176°F (-40°C to +80°C)
Storage Temperature . . . . .	-40°F to +194°F (-40°C to +90°C)
Input Power . . . . .	5 Vdc
Memory Backup . . . . .	Lithium cell, estimated 5 year service life
Typical Operating Current . . . . .	60mA
Typical Standby Current . . . . .	0mA (module is turned off when logout interval has elapsed.)
Frequency . . . . .	1575.42 MHz (L1)
Size (l x w x h) . . . . .	2.50" x 1.63" x 0.63" (64 mm x 42 mm x 16 mm)
Weight . . . . .	3.20 oz. (0.09 kg)
Cable	
Length . . . . .	78" (2 m)
Connector . . . . .	6-pin locking Mini-DIN

## GPS Module Receiver Specifications

Frequency . . . . .	1575.42 MHz (L1)
Number of Channels . . . . .	16
Position Accuracy . . . . .	<3 m
Velocity Accuracy . . . . .	0.1 mph (0.05 m/s) typical
Dynamic Limits	
Acceleration . . . . .	2 G max
Jerk . . . . .	4 m/s <sup>3</sup>

Startup Time To First Location Fix

**DriveRight® and CarChip™ Wireless Download System**

DriveRight unplugged for:

0 - 5 minutes . . . . . 15 seconds

More than 5 minutes, less than 4 hours . . . . . 40 seconds

More than 4 hours . . . . . 120 seconds

Update interval. . . . . &lt;1.0 seconds

Re-Acquisition Time, (after 60 second). . . . . 10 seconds

**Package Dimensions**

<b>Product #</b>	<b>Package Dimensions (Length x Width x Height)</b>	<b>Package Weight</b>	<b>UPC Codes</b>
8128	6.25" x 4.25" x 2.13" (159 x 108 x 54 mm)	5.12 oz. (.15 kg)	011698 00870 4