

# CarChip® vs. DriveRight 600®

		8211	8221	8225	8241 & 8186	8245 & 8186	8156	8156 & 8186	
		CarChip Data Logger & Software	CarChipE/X Data Logger & Software	CarChipE/x with Alarm Data Logger & Software	CarChip Fleet with Fleet Management Software	CarChip Fleet with Alarm with Fleet Management Software	DriveRight 600 Display Console Only	DriveRight 600 with Fleet Management Software	
<b>FEATURES &amp; OPTIONS</b>	<b>List Price</b>	Data logger or on-board display console	\$ 139	\$ 179	\$ 199	\$ 199	\$ 219	\$ 375	\$ 375
		Software (requires just one software pkg per fleet)	included	included	included	\$ 395	\$ 395	n/a	\$ 395
	<b>Installation</b>	Installs using:	OBDII connector	OBDII connector	OBDII connector	OBDII connector	OBDII connector	OBDII, VSS, driveshaft, or CV joint	OBDII, VSS, driveshaft, or CV joint
		For model years:	1996 and later	1996 and later	1996 and later	1996 and later	1996 and later	Any	Any
		For cars, vans, and pickup trucks	●	●	●	●	●	●	●
		For large trucks, off-road vehicles, & busses						●	●
		Professional installation recommended						●	●
		Estimated installation time	15 seconds	15 seconds	15 seconds	15 seconds	15 seconds	1 – 2 hours	1 – 2 hours
	<b>Download to Computer</b>	Using included USB cable	●	●	●	●	●		●
		Using included serial cable & power adapter							●
		Via modem using optional kit (add'l \$95)							●
		Via Palm Pilot using optional kit (add'l \$95)							●
		Via SmartCard using optional kit (add'l \$345)							●
	<b>Maximum</b>	Number of trips	no limit	no limit	no limit	no limit	no limit	600 trips	600 trips
		Hours of driving time	75 hours	300 hours	300 hours	300 hours	300 hours	435 hours	435 hours
	<b>Backup Battery</b>	Battery type	Internal	Internal	Internal	Internal	Internal	3-volt lithium	3-volt lithium
		Expected battery life if unit not in vehicle	10-15 years	10-15 years	10-15 years	10-15 years	10-15 years	2 months	2 months
		Expected battery life under normal usage	10-15 years	10-15 years	10-15 years	10-15 years	10-15 years	3-5 years	3-5 years
<b>DRIVER PERFORMANCE</b>	<b>Acceleration &amp; Deceleration</b>	Hard accelerations	●	●	●	●	●	●	
		On-board alarm for hard accelerations			●	●	●	●	
		Hard decelerations	●	●	●	●	●	●	
		On-board alarm for hard decelerations			●	●	●	●	
	<b>Accident Log</b>	After hard deceleration, speed every second for the last 20 seconds before a complete stop.		●	●	●	●		
		Speed every second for 20 seconds before and 20 seconds after hard deceleration.						●	●
	<b>Distance</b>	Distance traveled per trip	●	●	●	●	●	●	
	<b>GPS</b>	Optional GPS position logging (add'l \$295)							●
	<b>Time</b>	Start and end time	●	●	●	●	●	●	●
		Total time in motion	●	●	●	●	●	●	●
		Idle time	●	●	●	●	●	●	●
		Weekend/night driving time				●	●		●
	<b>Trip Type</b>	Toggle trip type (business or personal)						●	●
	<b>Speed</b>	Recording interval	Fixed 5 seconds	Fixed 5 seconds	Fixed 5 seconds	Fixed 5 seconds	Fixed 5 seconds	Selectable 1 – 30 sec	Selectable 1 – 30 sec
		Top speed	●	●	●	●	●	●	●
Average speed		●	●	●	●	●	●	●	
Time over user-set speed limit		●	●	●	●	●	●	●	
Time spent within user-set speed ranges		●	●	●	●	●	●	●	
<b>Seatbelt Use</b>	If selected as one of two digital inputs						●	●	
<b>ENGINE</b>	Diagnostic trouble code with "freeze-frame" sensor readings	●	●	●	●	●			
	Ability to reset "check engine" light	●	●	●	●	●			
	Logging of user-selectable engine parameters ★		●	●	●	●			
<b>SECURITY</b>	PIN code to adjust settings				●	●	●	●	
	Driver ID code						●	●	
	Tamper indicator on display console						●	●	
	Tamper log may be viewed in software	●	●	●	●	●		●	
	Vehicle login code restrictions							●	

★ Any 4 out of 23 possible, including RPM, throttle position, engine load, fuel pressure, fuel system status, short-term fuel trim, long-term fuel trim, battery voltage, timing advance, coolant temperature, air flow rate, intake air temperature, intake manifold pressure, and oxygen sensor voltage.