

# THE KEY TO UNATTENDED FUELING

## GASBOY® International

Gasboy International, a division of Gilbarco, has been in business for over 180 years. Gasboy continues to push the boundaries of innovation, while remaining the world's largest manufacturer of fuel management systems and fleet dispensers from hand-operated pumps to high-volume super fuelers. Gasboy offers an unparalleled capability to meet the fuel dispensing and control requirements of customers worldwide.



## Preventing Fuel Theft

Gasboy needed to provide its customers with a way to track vehicle usage so that accurate fuel and mileage costs can be assigned to every department and/or driver. Controlling access to fuel dispensed from their unattended private gas pumps is also a serious challenge for the fleet managers who need to prevent fuel theft. Gasboy needed a system that was:

- ✓ Easy to use
- ✓ Rugged and reliable to stand up to the harsh fueling environment
- ✓ Fully-engineered to reduce R&D costs and time-to-market
- ✓ Long-term supported to avoid expensive re-design and implementation costs
- ✓ Unique and acceptable in the market

## The Solution is Key

Gasboy turned to Datakey Electronics for an electronic key management system. Gasboy's "Fleetkey" is a custom marked Datakey Electronics' serial memory Key. Fleet operators who install these pumps issue a Gasboy "Fleetkey" encoded with identification data to each fleet vehicle and/or driver. This data must be electronically read and verified by the pump before it



will dispense any fuel. In some cases, the Key also contains information that specifies the quantity of fuel that may be dispensed, as well as other pump control information. The Key can also be used to collect management information regarding vehicle use and maintenance. This information can be used to assign proper fuel and mileage charges to each department, etc. The identification data stored electronically in a Key cannot be seen, so it remains confidential at all times. Moreover, since the Key is typically carried on a key chain along with a vehicle's ignition and door keys, they are always handy when a driver needs them and are not likely to be lost or forgotten. Another main advantage of using the Datakey Electronics' Key in this application is their *extreme ruggedness*, which enables the Keys to survive and perform reliably in fueling environments where they are exposed to dirt, grease and grime, or even run over by a semi-truck.

## Fully-Engineered



The Fleetkey inserts into a mating KC4210 Keyceptacle® designed into the fueling station. Datakey Electronics' Keyceptacle is a high-cycle life mating receptacle that offers tactile confirmation when a Key is inserted and turned.

There is also a Last-on, First-off (LOFO) contact that may be used to protect the host bus by ensuring the Key has made secure contact with the receptacle before any signals are transmitted.



## **T**hey Chose Datakey Electronics

Gasboy chose Datakey Electronics as their serial memory device partner because of their long history to provide a rugged product that could withstand the harsh fueling environment. The familiar form factor of the Key helps to increase users' comfort level, shortening any user adjustment period. The unique look and markings of the Key have also helped to increase awareness of the systems and of the "Gasboy Keys". Additionally, Datakey Electronics' 30 years of experience in serial memory devices and their fully-engineered solutions can decrease any OEM's R&D costs and time-to-market, as they have for Gasboy for well over a decade.



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