

SmartTag

Automatic Vehicle Identification



BUILT FOR HARSH ENVIRONMENTS | CLOUD BASED SOFTWARE | NO ONGOING COSTS

Automatic Vehicle Identification

Introduction to SmartTag

SmartTag is the gold standard in nozzle-based fuel management systems, eliminating fuel theft while also reducing driver frustration from needless shutoffs.

SmartTag's fully automated, contactless system integrates the fuel nozzle with a unique RFID tag for each vehicle. The SmartTag reads the tag and reports it to the FMS. If authentication is successful, the fuel delivery is allowed to begin.

Innovative positional tracking technology prevents fuel theft by ensuring fuel delivering only occurs when the nozzle is in the authenticated vehicle. When the nozzle is removed from the fuel inlet, the fuel delivery is suspended or terminated.

SmartTag also offers greater reliability than contact-based systems that can be affected by dirt and other build-ups.



ST3905 SmartTag on a Low-Flow Nozzle

A Step Above the Rest

The strength of SmartTag lies in its robustness and adaptability. Engineered to thrive in diverse environments, from utes to mining trucks to boats, this cutting-edge solution ensures reliable performance across the board.

SmartTag knows better, and performs better. Sporting a brand new rechargeable battery, you'll be in absolute control over your power usage and have the freedom to read as many tags as you need.

Features

- Automates the activation of fuelling system
- Detects when the nozzle is removed from the vehicle and terminates the transaction to prevent fuel theft
- Can restrict fuel usage by fuel type, fill limit by vehicle, daily/weekly allowances and time-of-day access
- Modular design allows for rapid installation and repair
- Removable, rechargeable battery so you never run out of batteries
- Requires minimal technical skill to install or operate
- Provides a notification in the event of low battery
- Capable of multi-nozzle use on Gilbarco, Wayne, Compac, TT and Tatsuno dispensers
- Suits most commonly available fuel nozzles and vehicles
- Housed in a tough, weather-proof enclosure
- Adjustable read range to suit application specific needs
- Small, easy to install RFID tags
- Extensive, professional network of support



ST3000 SmartTag mounted to a Wiggins nozzle

Identify Every Vehicle

We've designed SmartTag to be the ultimate solution to automatic vehicle identification. This means it needs to work with every vehicle. To make sure you always record the most accurate data, we made sure that there's a solution for every surface on every vehicle.

Vehicle Mount RFID Tag (ST1012)

Our recommended choice is the Vehicle Mount RFID Tag. This was crafted to suit the toughest environments while being compact and flexible enough to be widely used throughout your fleet. It works best on metal surfaces, with read ranges up to 60cm. It can be installed with either epoxy or can be screwed straight into the surface for maximum holding power.



RFID Sticker Tag (ST1013)

For all non-metal surfaces, the RFID Sticker Tag is the best choice. It reads up to 40cm and it works best on plastic or fibreglass which makes it perfect for light vehicle applications. It's our thinnest solution at 0.7mm thick and can be installed in as little as 60 seconds. The RFID Sticker Tag also comes with a protective outer layer to keep it protected from the elements.



SmartTag PCB Tag (ST1011)

The SmartTag PCB Tag is our solution for a shorter RFID tag that doesn't compromise on durability or usability. This tag has the shortest read range and is designed for situations where the Vehicle Mount RFID Tag is too tall to fit. It's best suited for metal surfaces, but can work anywhere.

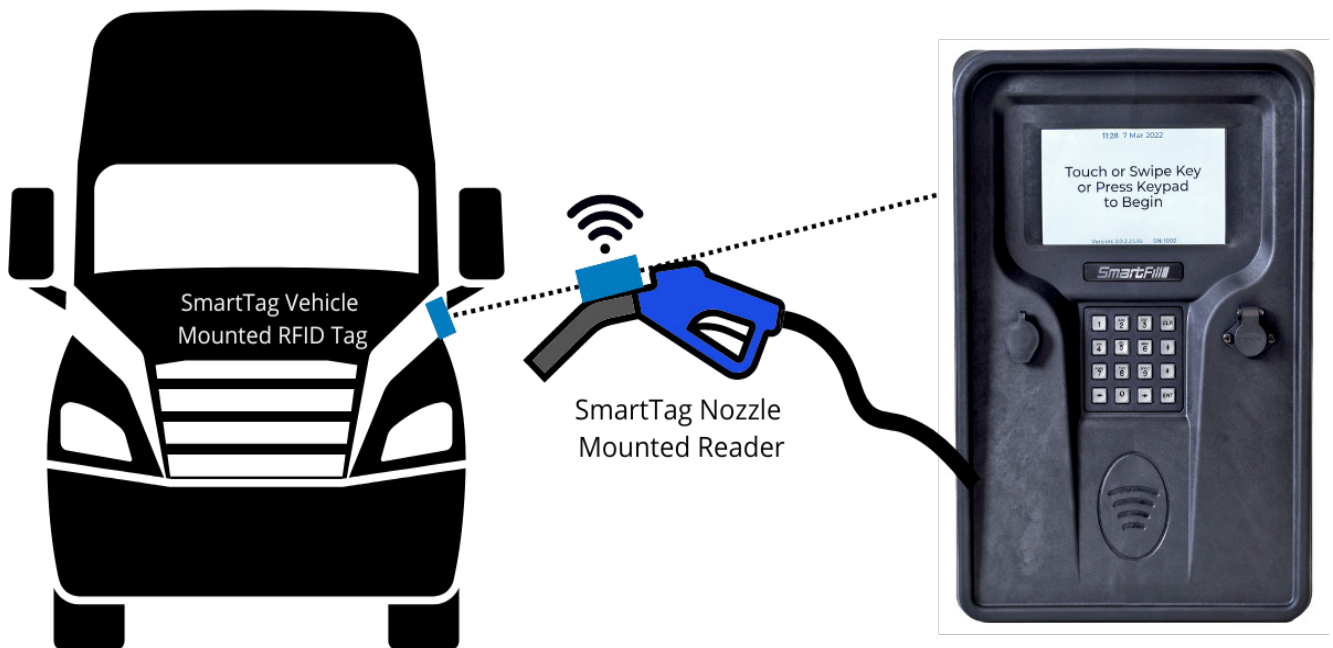


SmartTag

Technical Specifications

Nozzle Reader Dimensions (H x W x D): 37mm X 97mm X 92mm (1.5" X 3.8" X 3.6")	Reader: Inbuilt UHF reader - EPC Class 1 Gen 2 compatible
Power Supply: 3.7V 6.4Ah Li-ion rechargeable battery	Read Distance: 10cm to 100cm (4" to 40") depending on orientation of SmartTag when installed
Battery Temperature Range: -67°F to 185°F (-55 °C to 85 °C)	Maximum Nozzles per system: 8 when used with a protocol system, but limited to 5 connecting at a time.
Battery Life: 1 year minimum (average of 40 transactions/day, average transaction time of 5 minutes)	Nozzles Supported: <ul style="list-style-type: none"> ▪ OPW 1" 7-HB Diesel ▪ OPW ¾" 11A Diesel ▪ OPW 11AP Gasoline / Unleaded ▪ ZVA 25 Diesel ▪ ZVA Slimline AdBlue ▪ Husky X Diesel
Power Consumption: Sleep mode: ~0A. Active: 10mA average	
Tag Types: RFID Vehicle Mount Tags (Long-Range, RECOMMENDED) UHF PCB Tags (Short-Range), RFID Stickets (Mid-Range)	

Additional Equipment Required: SmartFill GEN 3 fitted with a SFM2055 Wireless Module.



SmartFill FMS