

“Hands-free” RFID Access Control System

- 👁️ **Active RFID identification solution**
- 👁️ **Designed for users of closed parking lots**
- 👁️ **Controls access automatically and remotely, operates like motorway tollbooths**



Streamline parking access flows for light vehicles, trucks, and buses



A long-range **RFID** tag installed in the vehicle enables the system to detect its presence at the entrance automatically.

Detection distance may be configured in the software.

The RFID reader is compatible with standard Wiegand and Data Clock communication protocols.

ELA Innovation has developed a high-performance active RFID identification tag:

- **Long-range detection:** > 50 meters
- **Adaptable:** model for light vehicles/cars with windshield mounts; long-range model for larger vehicles
- **Ergonomic:** hands-free operation
- **Compatible:** direct connection to existing access control systems
- Respects **standards:** CE, IETS 300-220

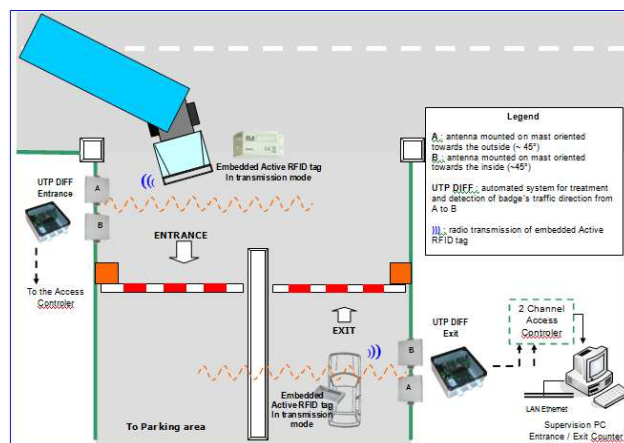




RFID detection zone

The dual-antenna active RFID system creates a wireless reception zone near entrance barriers. When the vehicle's RFID tag crosses this zone, its identification code number is sent automatically to the access controller.

The access rights associated with the tag numbers determine whether or not the barrier is opened.



Leveraging patented RFID technology

Each tag offers a **unique identifier** that can be managed by access control software available on the market or ELA Innovation's EADS counting solution.

Customers who chose ELA Innovation

Our access control system with active RFID tags and readers is used every day at **many sites**, including: System U logistics base, truck terminals in Savoie (France), bus stations in Gap and Annecy (France), and Arcelor Mittal headquarters.

RFID tag	
Frequency	433 MHz
Reading range (line-of-sight)	80 to 150 m
Operating temperature	-35° C to + 80° C
Main features	Anti-vibration tags Trucks & buses: white ABS casing (80 x 34 x 28 mm) Light vehicles/cars: white ABS casing (54 x 33 x 5 mm) Adhesive light vehicle/car windshield mount
Battery life	5 to 10 years
Standards	CE, IETS 300-220
Reader terminal	Dual-antenna RFID module to process directional movement: UTP DIFF2