



# TagMaster

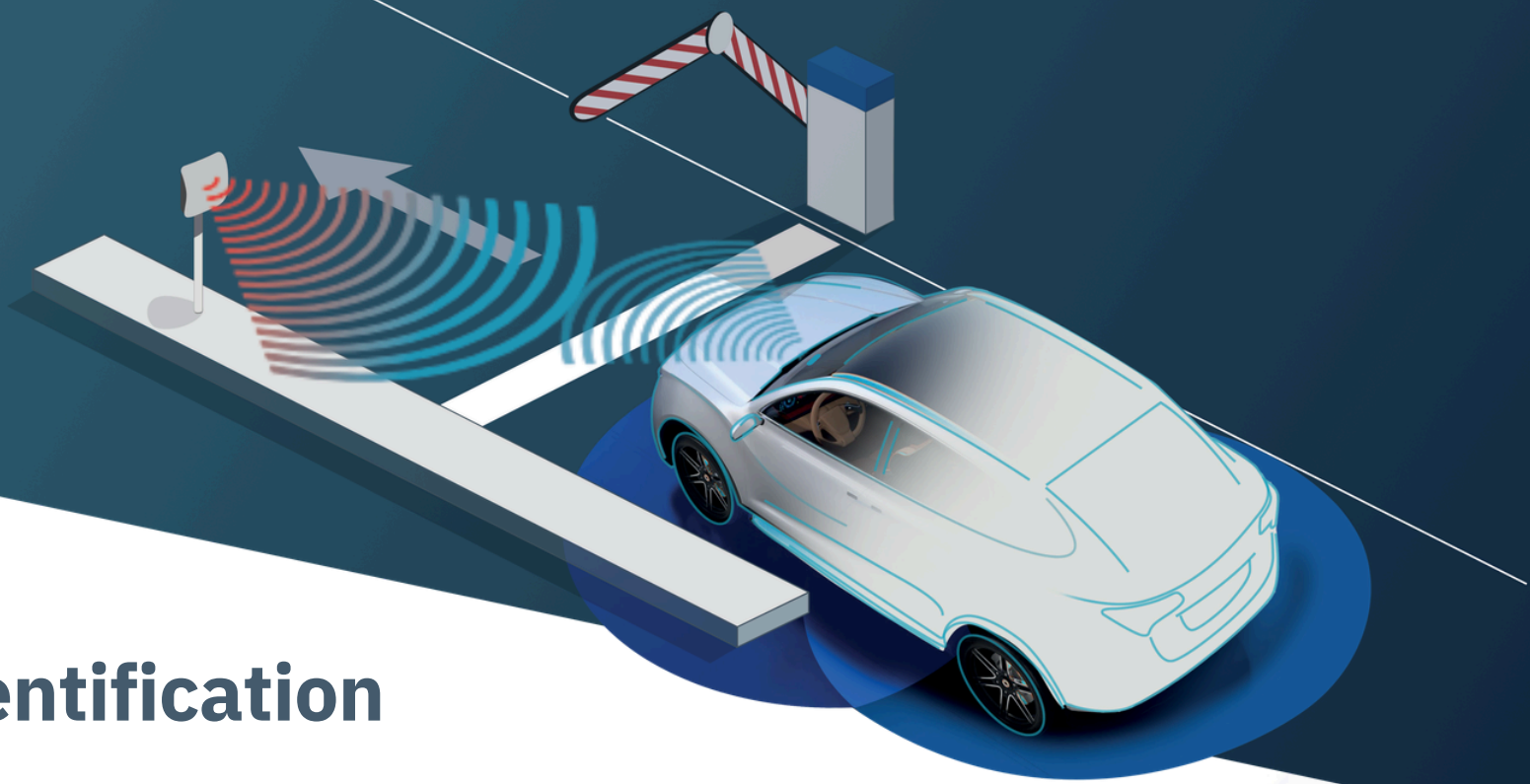
*North America, Inc.*

## Long Range RFID Applications Practical Solutions Overview



Reader and tag recommendations may vary by site layout, lane geometry, and integration requirements.

**TagMaster**  
*North America, Inc.*



## Intelligent Identification

At TagMaster North America, we believe vehicle access should be smarter, smoother, and more secure.

This guide highlights common applications for Long Range RFID and shows how the technology can support access control, fleet visibility, parking, industrial automation, and secure facility operations.

From residential communities and hospitals to logistics centers, airports, industrial sites, and transportation facilities, Long Range RFID helps integrators and end users improve efficiency, safety, and the overall user experience.

These examples are intended to show the flexibility of our RFID product line and help identify new opportunities for future projects.

Recommended Reader Options: XT-1, XT-5, and LR-Series

# Gate and Barrier Control

## Improving daily convenience

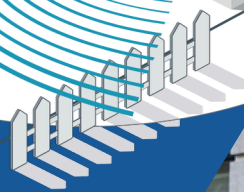
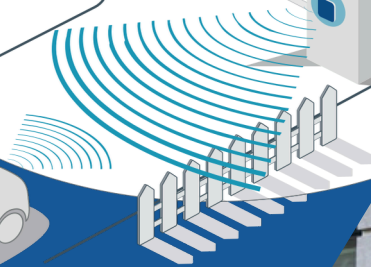
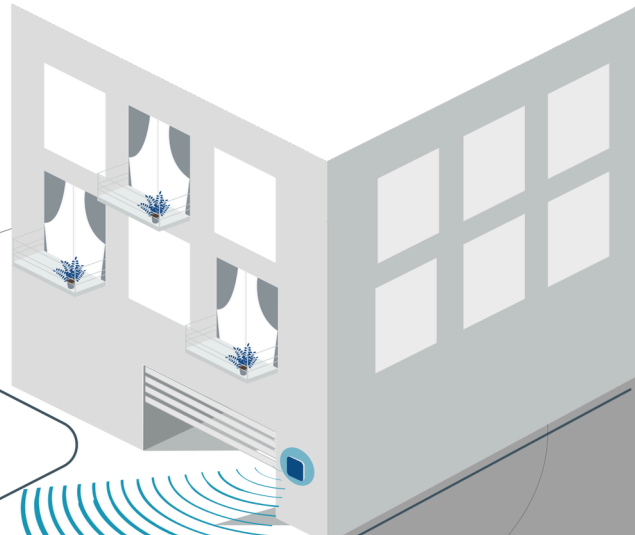
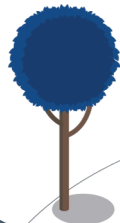
Long Range RFID makes gate and barrier access faster, easier, and more secure. Vehicles are identified automatically as they approach, allowing authorized drivers to enter without stopping, presenting an access card, or entering a PIN code. A windshield or headlamp RFID tag creates a smooth, hands-free experience that reduces wait times and keeps traffic moving. Ideal for staff parking, industrial sites, logistics centers, and fleet operations, Long Range RFID helps improve convenience, reduce congestion, and support secure vehicle access.



# Parking

Faster, Safer, and Easier to Manage

Long Range RFID helps private, office, and residential parking facilities deliver a faster and more convenient access experience. Authorized vehicles are identified automatically as they approach, allowing drivers to enter without stopping, scanning a badge, or rolling down a window. This creates a smooth, hands-free parking experience that reduces congestion and improves daily access. Ideal for office garages, private parking areas, residential properties, and surface lots, Long Range RFID helps keep traffic moving while supporting secure and reliable access control.



XT-1, XT-5 readers



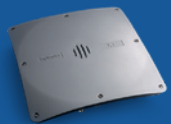
LR-6 reader



# Bus Depot & Fleet Management

## Smarter Operations with Long Range RFID

Long Range RFID helps bus depots improve access control, fleet visibility, and daily operations. Buses are identified automatically as they enter, exit, or move through the depot, capturing vehicle ID, time, date, and location without driver interaction. This gives operators better visibility into fleet movement, parking areas, dispatch readiness, and daily activity. Ideal for public transit, school bus operations, and private fleets, Long Range RFID supports faster access, fewer manual checks, improved safety, and more efficient depot management.



XT-1, XT-5 readers



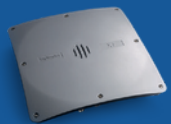
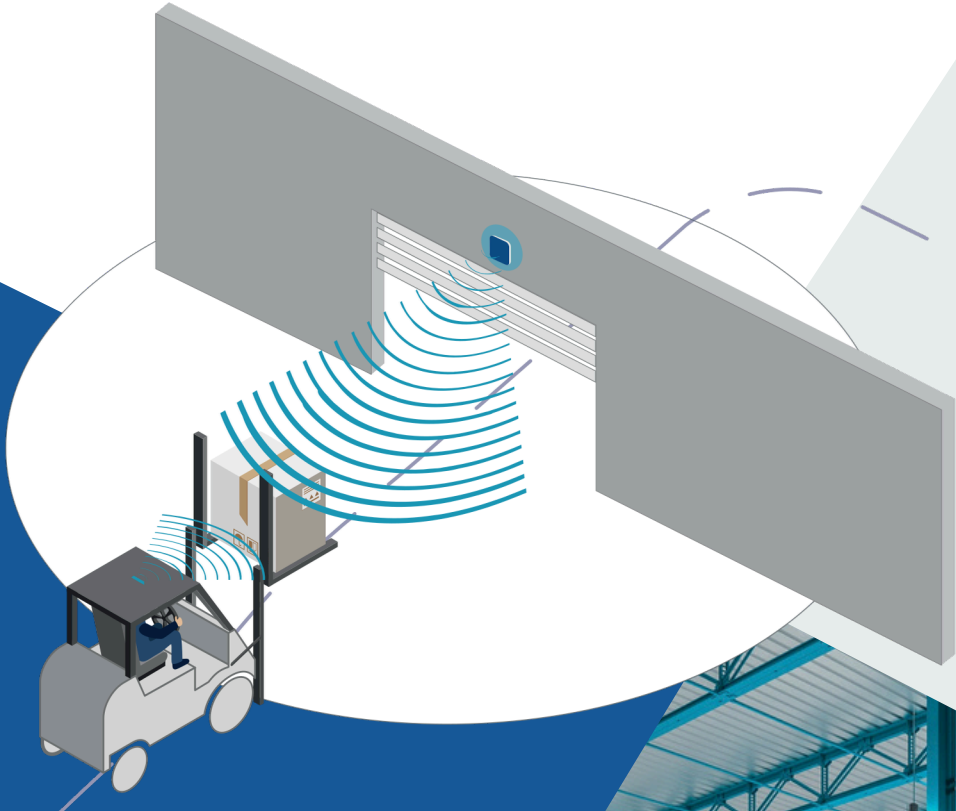
LR-6 reader



# Rolling Doors

## Fast, Controlled Industrial Access

Long Range RFID keeps industrial traffic moving. Forklifts, trucks, and service vehicles are identified automatically as they approach rolling doors, allowing fast, hands-free access between buildings, departments, and restricted areas. No keypads, remotes, or manual steps are needed. Ideal for warehouses, logistics centers, terminals, and industrial facilities, Long Range RFID helps improve workflow, reduce delays, increase safety, and control access to authorized vehicles only.



XT-1, XT-5 readers

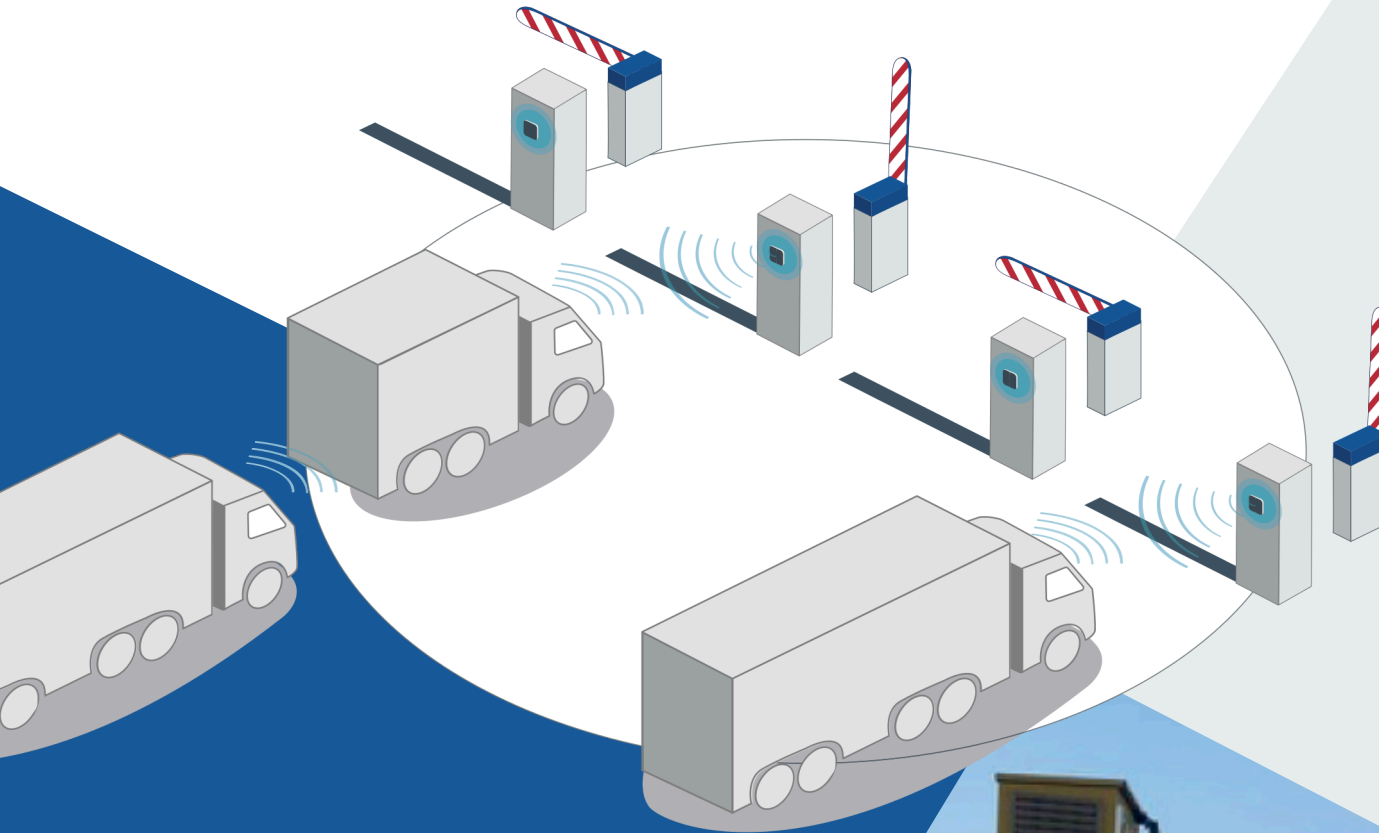


LR-6 reader

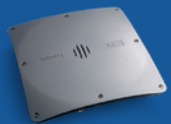


# Gate Access

Seamless and secure



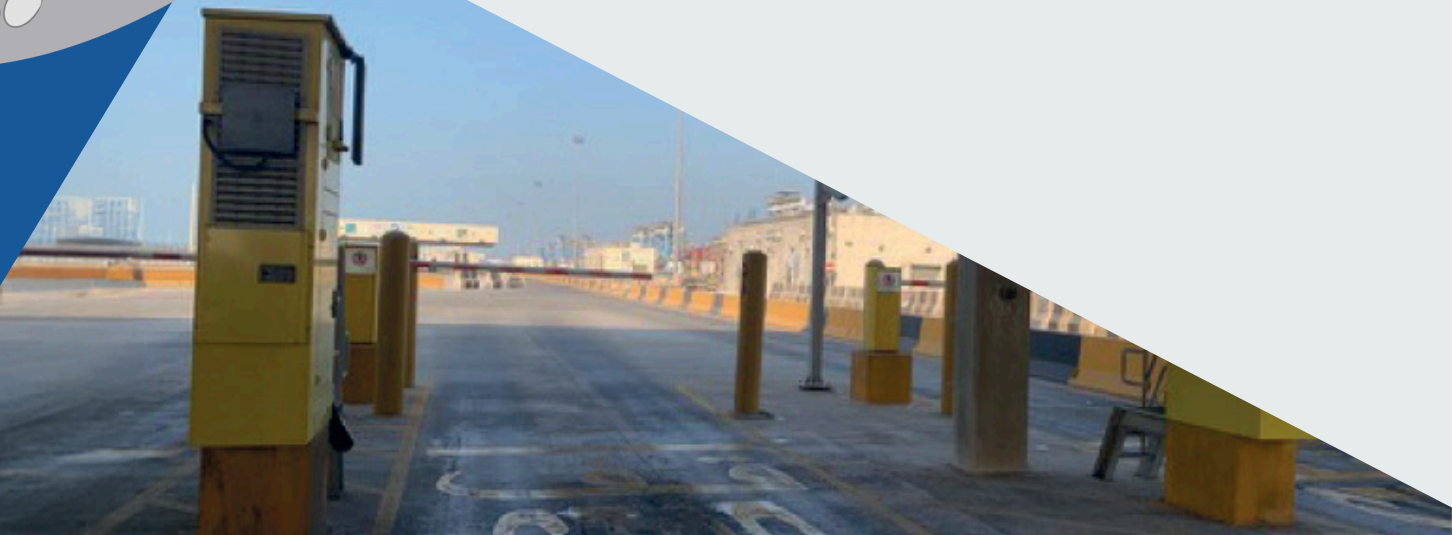
Long Range RFID delivers fast, hands-free vehicle access for gates, barriers, and high-volume entry points. Vehicles are identified automatically from up to 46 feet away, allowing authorized drivers to enter without stopping, using a card, or entering a code. This creates a smoother arrival experience while improving safety, security, and traffic flow. Built for real-world environments, Long Range RFID supports gated communities, logistics hubs, commercial facilities, and secure access points with reliable performance, easy integration, and detailed entry logs. Smarter access. Less waiting. Better control.



XT-1, XT-5 readers



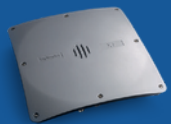
LR-6 reader



# Emergency Access & Hospital Entry

## Fast Access When Every Second Matters

Long Range RFID helps ensure fast, secure access for emergency vehicles and authorized medical staff. Ambulances, emergency vehicles, and approved personnel are identified automatically as they approach hospital entry points, allowing gates and barriers to open without stopping or manual intervention. This helps reduce delays, improve emergency response, and keep critical operations moving. Ideal for hospitals, emergency departments, ambulance bays, and staff parking areas, Long Range RFID provides reliable performance, enhanced security, and integration with existing access control systems. Rapid access. Reliable response. Better patient care.



XT-1, XT-5 readers

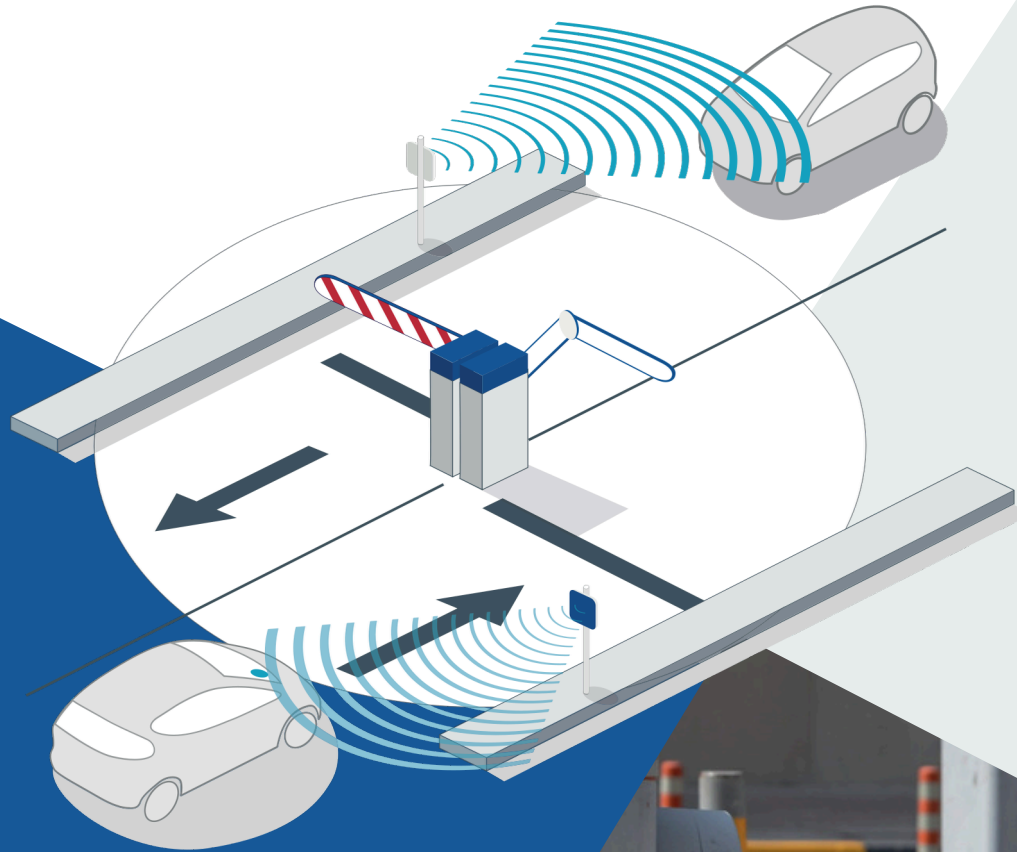


LR-6 reader

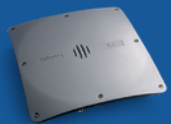


# Stand Alone Access Control Solution

## Secure Vehicle Access Without the Complexity



TagMaster NA makes secure vehicle access simple. Using the XT-1's onboard standalone capability, or ACTS Essential software with XT-5 and LR-Series readers, facilities can deploy an RFID access solution without the complexity of a traditional access control system. Ideal for small parking facilities, private gates, remote sites, and standalone access points, the system automatically identifies authorized vehicles and grants hands-free access through a secure whitelist. Easy to install, simple to manage, and built for reliable operation, Long Range RFID helps deliver secure vehicle access with fewer components, lower infrastructure requirements, and minimal maintenance.



XT-1, XT-5 readers

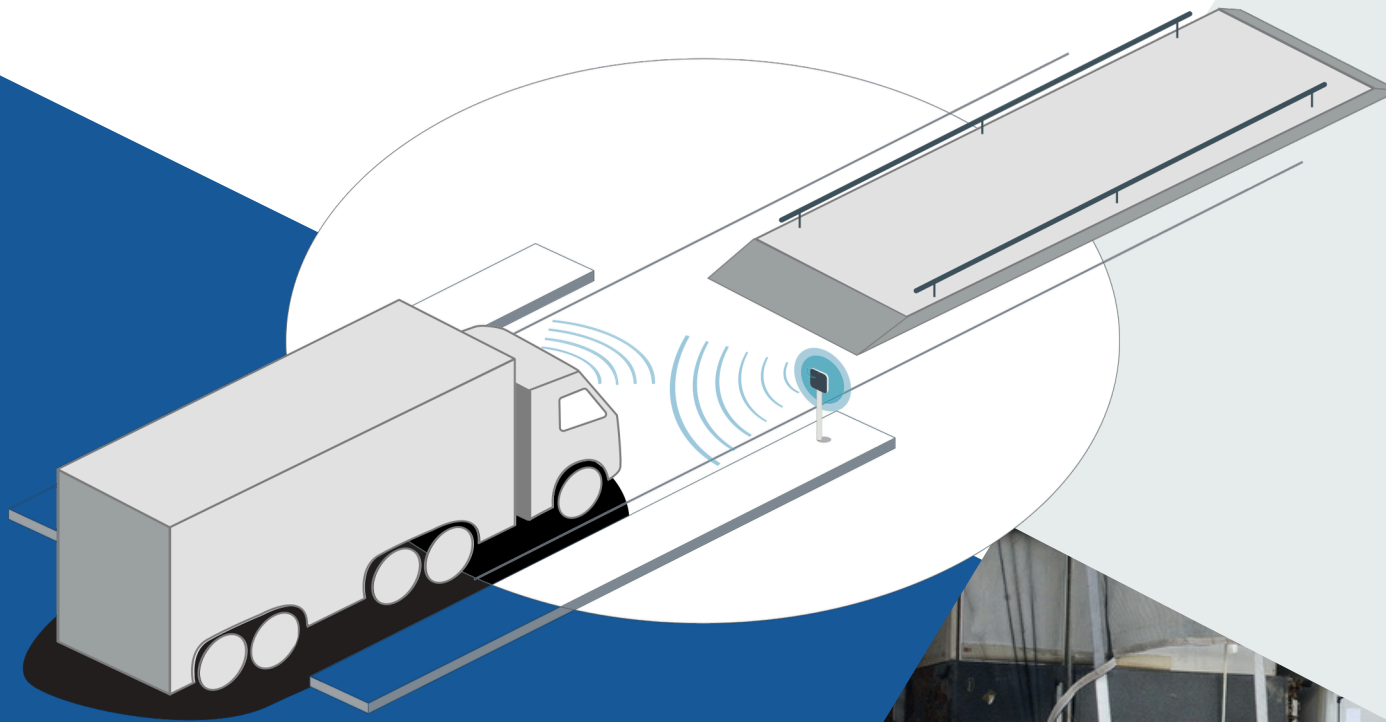


LR-6 reader



# Vehicle Weighing

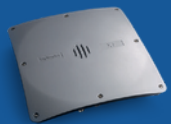
## Streamlined Weigh Scale Operations



Long Range RFID makes truck scale and weigh station operations faster, smarter, and more accurate.

Trucks are identified automatically as they approach the scale, reducing manual entry, speeding up throughput, and improving the accuracy of vehicle, time, and transaction data. Each movement can be linked to the correct vehicle record to support billing, compliance, reporting, and traceability.

Ideal for logistics hubs, recycling centers, construction sites, depots, and industrial facilities, Long Range RFID helps reduce lines, control site access, and create a more efficient weighing process. Automated identification. Accurate records. Better flow.



XT-1, XT-5 readers

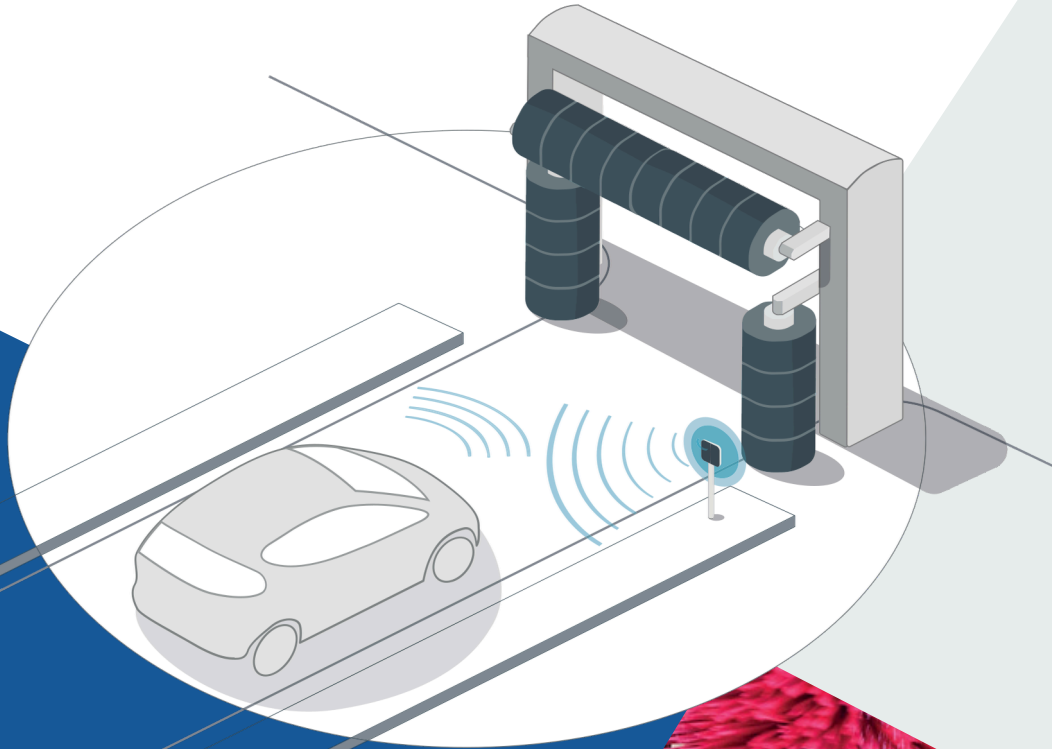


LR-6 reader



# Car Wash

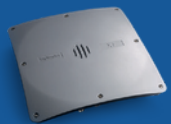
## Effortless Access & Smart Control



Long Range RFID helps car wash operators deliver fast, contactless access for members, fleets, and repeat customers.

A tamper-evident windshield tag is identified automatically as the vehicle approaches, allowing the system to confirm access, track usage, and trigger the correct wash program without tickets, keypads, or driver interaction. For operators, RFID helps increase throughput, reduce manual steps, prevent unauthorized use, and support recurring subscription or fleet billing. Each visit can be logged by vehicle, time, and date, giving teams better control over usage and customer activity.

Simple, secure, and built for high-volume environments, Long Range RFID creates a smoother car wash experience while helping operators improve efficiency, loyalty, and revenue.



XT-1, XT-5 readers

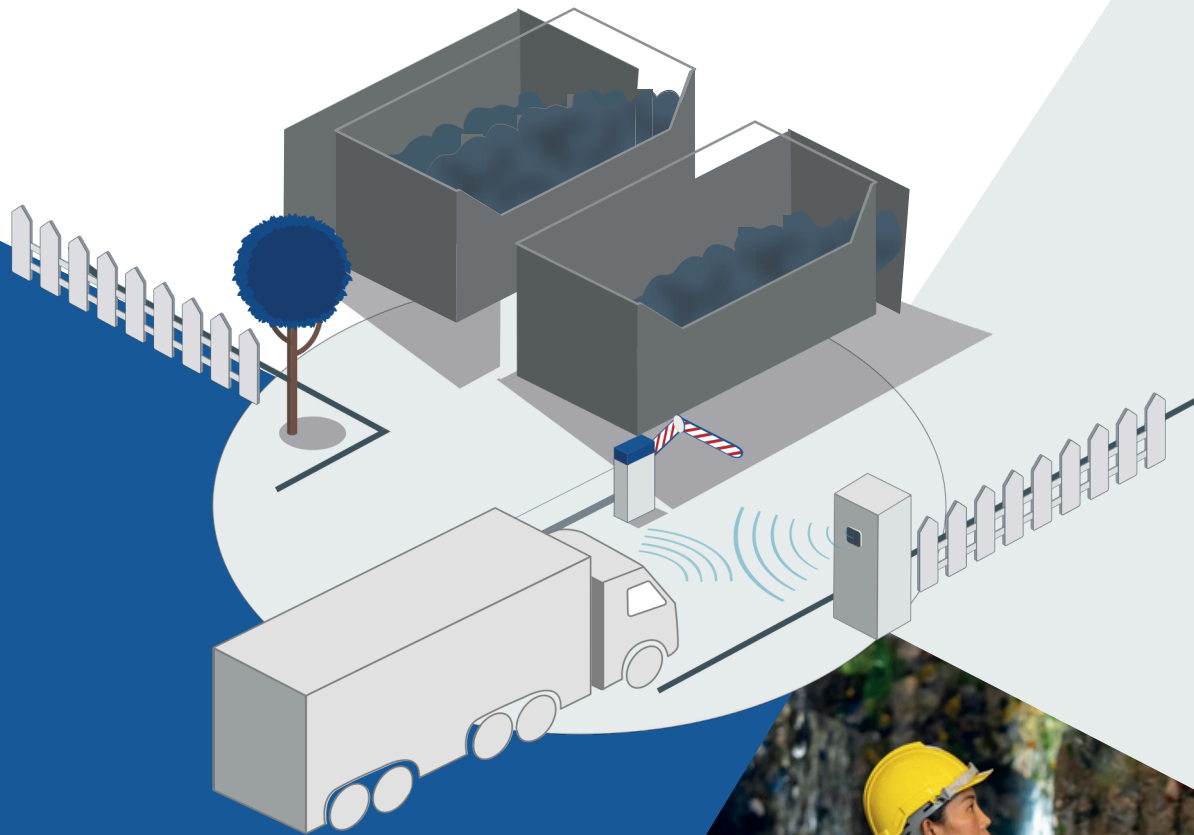


LR-6 reader

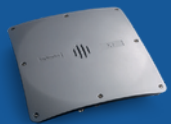


# Municipal Waste & Recycling

## Intelligent Identification & Access Control



TagMaster NA helps waste and recycling facilities automate vehicle access, fleet activity, and site operations with long range RFID and software-based management solutions. Vehicles are identified automatically as they approach gates, scales, or drop-off areas. This creates faster hands-free access, reduces manual check-ins, and helps keep traffic moving through busy facilities. With TagMaster NA software, operators can manage authorized vehicles, monitor fleet activity, track site access, and support reporting, billing, and compliance workflows from one centralized system. Built for demanding industrial environments, TagMaster NA RFID delivers reliable vehicle identification while helping waste and recycling operators improve control, reduce bottlenecks, and create a safer, more efficient site.



XT-1, XT-5 readers

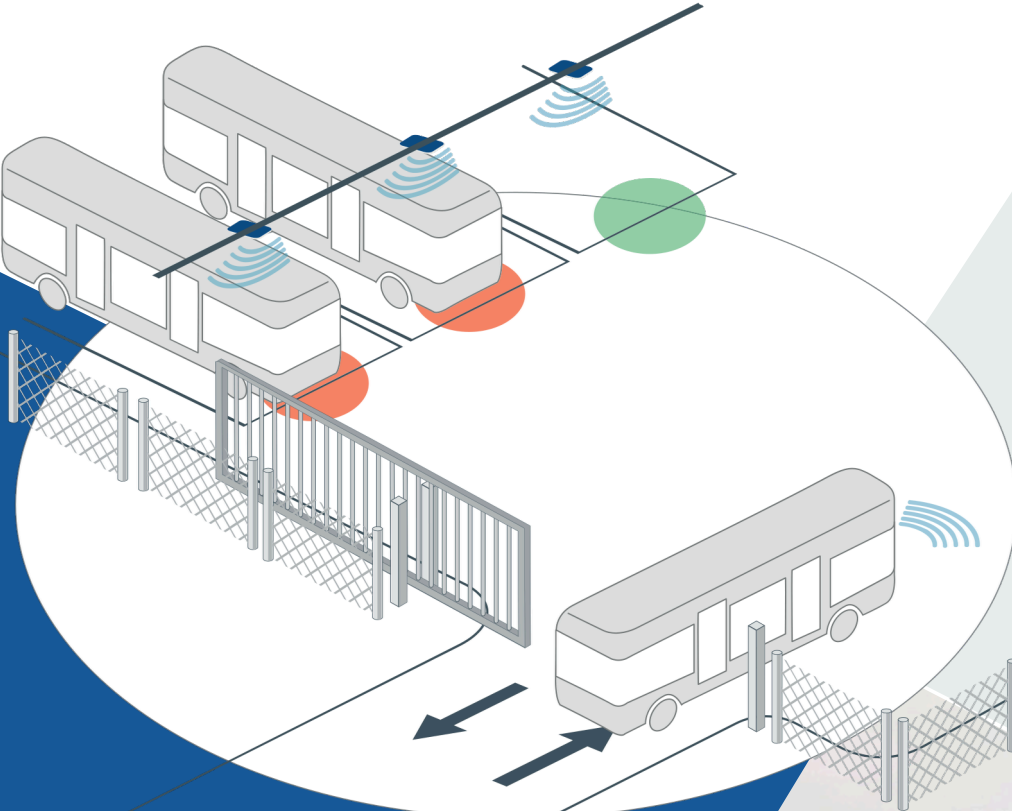


LR-6 reader



# Fleet Bay Occupancy Management

## Real-Time Visibility for Service Bays and Fleet Operations



Long Range RFID, enhanced with TagMaster NA management software, helps operators identify which vehicle is occupying each specific bay, giving maintenance teams better visibility into fleet movement, bay status, and service activity.

As buses, trucks, or fleet vehicles enter a maintenance bay, RFID readers identify the vehicle and associate it with that bay. The software can display which vehicle is currently in each location, when it arrived, and whether the bay is occupied or available.

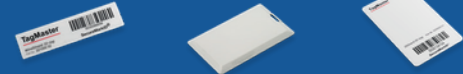
This approach helps reduce manual checks, improve coordination between maintenance and operations teams, and support better use of service areas, parking spaces, and fleet yards.

Ideal for bus depots, maintenance facilities, fleet operations, and large vehicle storage areas, the solution provides practical occupancy management.



XT-1, XT-5 readers

LR-6 reader



# Where Can TagMaster NA Long Range RFID Help?



Bus Depots & Fleet Yards



Car Wash



Waste & Recycling



Weigh Scales



Emergency Access



Rolling Doors & Warehouses



Fleet Bay Occupancy



Robotics & Autonomous Transport



Critical Infrastructure



Commercial Vehicle Access

# Ready to Build a Smarter Vehicle Identification Solution?

TagMaster North America helps integrators, consultants, and facility operators identify the right Long Range RFID solution for their application. Whether you are planning a gate access project, parking facility, fleet yard, industrial site, or software-supported vehicle management system, our team can help review your needs and recommend the right approach.

Scan the QR Code to learn more:



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[www.TagMasterNA.com](http://www.TagMasterNA.com)



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