



CLOUD COLLECTED®

RFID Gate Access

Product Overview

What is Cloud Collected?

Cloud Collected turnkey solutions harness Wireless, RFID, Sensor, Biometric and other technologies to provide Dynamic Asset Management (DAM) Real Time monitoring, tracking, and managing for single or multiple sites and locations.

Our Turnkey Solutions as a Service (TSaaS) are fitted to your needs, easy to implement, and capable of expansion at any time.

Our Products



Tracking

- RFID Vehicle Monitoring
- Dealership Vehicle Availability
- Delivery Truck Availability
- Mobile Asset Management
- EMC/EMT Vehicle Assets and Personnel
- Fire Apparatus Assets and Personnel
- Police Vehicle Assets and Personnel
- Utility Assets and Personnel
- Other First Responders
- Other Mobile Assets
- Personnel Management
- Tour Guide Monitoring
- School Bus Monitoring
- Office and Warehouse Personnel Tracking
- Animal Tracking
- Remote Site Asset Management
- Tag Readers and Testers



Access Control

- RFID Vehicle Access
- Gated Communities
- High Security Facilities
- Parking Garages
- Residential Gated Driveway
- Gate Access



Dynamic Assets

- Cloud Weapons Express
- Real Time RFID Weapons Issue
- Manual RFID Weapons Issue
- RFID Asset Tracking
- Barcode Asset Tracking



Temperature Monitoring

- Cloud Chain

Real Time Gate Access for assets on the move via RFID technology.

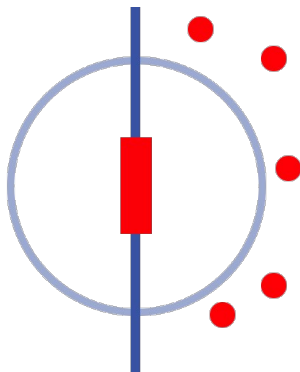
Cloud Collected RFID Gate Access Management solution utilizes real-time location monitoring of assets to manage gate access; opening or closing a gated access point depending on your configuration needs.

Complete end to end area access management using RFID tags for parking garages/lots, restricted areas, livestock monitoring, and more.

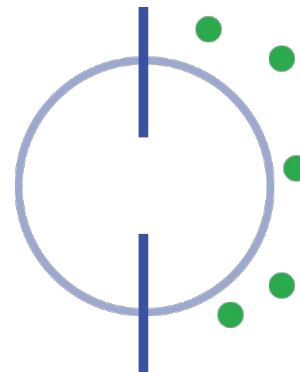
How it Works

Real-Time Gate Access Management solution harnesses wireless RFID sensors to monitor moving assets and their proximity to a centralized targeted access point (or multiple points). If the built-in alert system notices an asset has entered a specific proximity of the gate, the gate system is notified and one of two things can happen depending on your needs - access is granted or access is denied.

Allow Access.



Deny Access.



Easy Setup & Installation

1



We Customize Your Solution

Once we determine your requirements, we configure a package to fit into your location.

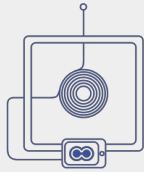
2



You Receive the Package

The package will include everything you need to get up and running - from the RFID hardware and RFID tags to gate hardware and software needed.

3



Connect Components

Components will be installation ready - all you will need to do is attach them to your desired location.

4



Attach RFID Tag to Asset

Depending on the tag-type, attach it to your assets.



Complete Package

Our real-time Gate Access Management solution is a turnkey solution - we provide everything needed to get up and running. Our solution can be configured to include:

- **RFID Hardware** including RFID tags, antennas and readers
- **Required Gate Hardware** or gate controller integration components for your specific needs (*optional*)
- **All Software**
 - Local Gate Access Controller Software (Collection Agents)
- **Hardware Support Services** for multiple year support (*optional*)

Features and Components

Hardware	
RFID Hardware	
RFID Tags	Choice of: UHF Gen 2 Passive Tags 433 MHz Active Tags
RFID Readers	<i>Multiple readers per location allowed</i>
RFID Antennas	Choice of over 100 antenna types depending on your installation and asset reading needs. <i>Note: Additional mounting hardware may be required depending on your setup.</i>
Gate Hardware	
Gate Controllers	If you need a gate controller and gate hardware, we are a certified Toro reseller and can provide necessary gate hardware.
Gate Interface	If you already have a gate controller, we offer a relay module with both Normally Opened (NO) and Normally Closed (NC) options to open and close the gate. Simply tie the lines into your current gate hardware.
Power Requirements	
Remote - Solar	If your gate is in a remote location without local power, you will need a solar power system with battery backup. We can provide components to you or help you arrange for a remote power source.
Local	Local power is required to power the gate and RFID hardware.

Software	
Local Collection Agents	
Micro-controller	A Micro-controller will be installed at each gate location to control all hardware components (RFID Readers/Antennas and Gate Interfaces). The controller manages gate operations based on RFID activity.
Data Synchronization	Need logs or asset management? Local agents may optionally be synchronized with other systems you may already have.