



# RFID & BLE Access Control

a tour of GAO's hardware & software solutions

# GAO Access Control – Overview



GAO's Access Control System is an all in one security, monitoring and personnel management system.

It allows you to review in real time:

- ✓ **Any personnel or vehicles that have entered an access point**
- ✓ **How long they are there**
- ✓ **Prevents those not authorized from entering the monitored area.**



# GAO Access Control – Types

GAO provides two basic types of Access Control Systems



Personnel/People Access



Vehicle Access

# GAO Access Control – Personnel Access



Generally, **Personnel Access** uses Low Frequency (LF) or High Frequency (HF) Readers & Tags in the form of Card Tags, Key Fob Tags or similar RFID tags



# GAO Access Control – Vehicle Access



GAO provides a number of options for **Vehicle Access**. UHF is a popular choice since this is a **long distance, hands free solution**; however card swipe solutions are also available. Furthermore, BLE solutions offer extra long distances that are particularly attractive for truck access.



# GAO's Solution: Key Features

- Real-time Activity Monitoring
- 24 hour Unmanned Operation
- Remote Management Through Web Interface
- Applies to both Personnel & Vehicle Access
- Powered by GAO LocateWare™
- Compatible with all GAO RFID Readers/Tags, and BLE Gateways/Beacons
- Real Time Map View
- Group Management
- Customizable Reports



# LocateWare™ — Access Control Software

Screen Shots



Login Screen



 **Building Management**  Building List

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Current Function: Add a Building

**Building Information**

Name of the Building	<input type="text"/>	*	Server Name(IP Address)	<input type="text"/>	*
Name of Database	<input type="text"/>	*	The Account Name for the Database	<input type="text"/>	*
Password	<input type="text"/>	*	City	<input type="text"/>	*
Address	<input type="text"/>	*	Postal Code	<input type="text"/>	*
Note	<input type="text"/>				

## Building Management





Current Function: Add an Access Point

Access Point Information

Name of Access Point	<input type="text" value="Front Door"/> *	Building	<input type="text" value="Sample Building A"/> *
Address (Example 192.168.1.101:1 Or COM1:1)	<input type="text" value="100.100.100.251"/> *	Type	<input type="text" value="Door Access"/> *
Start Time	<input type="text" value="0:00"/> *	End Time	<input type="text" value="23:59"/> *
Use Relay Controller	<input type="text" value="Yes"/> ▼	Relay Controller IP	<input type="text" value="192.168.1.61"/> *
Note	<input type="text"/>		

## Access Point Management

Current Function: Add a Tag Holder Group

Tag Holder Group Information

Tag Holder Group Name	<input type="text" value="Visitors"/> *	Building	<input type="text" value="Sample Building A"/> *
Access Point	<input type="text" value="Front Door"/> *	Start Time	<input type="text" value="0:00"/> *
End Time	<input type="text" value="23:59"/> *		
Note	<input type="text" value="This is an example."/>		

## Tag Holder Management

Current Function: Tag Management

Add a Tag


Tag ID	E2 *	Type	Keyfob tag *
Note	<ul style="list-style-type: none"><li>E2003411B802011765041001</li><li>E2003411B802011765041002</li><li>E2003411B802011765041003</li><li>E2003411B802011765041004</li><li>E2003411B802011765041005</li><li>E2003411B802011765041006</li><li>E2003411B802011765041007</li><li>E2003411B802011765041008</li><li>E2003411B802011765041009</li><li>E2003411B802011765041010</li></ul>		

Submit Cancel

Tags Info of the Current Tag Holder

ID	Tag ID	First Name	Last Name	Tag Holder Group	Type	Delete
Home Previous 1 Next Last Go 1						

### Tag Management

 **Access Information**

Current Function: Access Information

 Export to Excel

Access Information

Building	Sample Building	Tag Holder Group	Select the Tag t	Access Point	Select the Acce	<input type="button" value="Search"/> <input type="button" value="Cancel"/>
First Name		Last Name		Start Date		
End Date						

ID	Tag ID	First Name	Last Name	Group	Access Point	Time
1	E2003411B802011765041001	James	Zhou	Visitors	Front Door	4/27/2010 3:00:00 AM
2	E2003411B802011765041001	James	Zhou	Visitors	Front Door	4/29/2010 12:25:31 AM

Home Previous 1 Next Last Go 1

Access Information

Current Function: Add a Role

Role Information

Name	Managers *	Module	Buildings+Tag Holder Groups+ *
Note	<input type="text" value="This is an example."/>		

Role Management

Current Function: Add an User

User Information

User Name	<input type="text"/>	*	Password	<input type="text"/>	*
First Name	<input type="text"/>	*	Last Name	<input type="text"/>	*
Role	Select Roles	*	Building	Select Buildings	*
Note	<input type="text"/>				

User Management



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# Thank You