

## SYSTEM OVERVIEW

Many worldwide organizations often have to deal with shoplifting on a daily basis.

Our CATS® - Control Anti-theft System, is designed to prevent item theft at organizations. This system is a combination of RFID (**R**adio **F**requency **I**Dentification) and software application technology. CATS® is designed to be set up in entryways and communicate with rfid tags attached to any valuable item. If any rfid tag signature from a security list of items is detected at the exit gate, these gates will detect them and activate an alarm. It is an effective system and cannot be cheated.



### HARDWARE

- 1 x Antenna/Reader All-in-One
  - 1 Antennas
  - 1 Reader Integrated
- 1 x Desktop PC
- 1 x Router
- 1 x Network or Serial Interface cable
- # RFID tags attached to items -ISO 18000 GEN CLASS 6C



### SOFTWARE

- CATS (Control Anti-theft System) software module.
  - Multiple reader support for wider areas to monitor
  - Security list of items maintenance
  - Event logging viewer
  - Email warning message configuration



### SECURITY GATE FUNCTIONS

- Captures all RFID items at the location exit gate.
- Compares if RFID items exist in the "security list"
- Activates Alarms (Audible, Visual), event logging, and email notification.



# CATS® -MAIN SYSTEM SCREEN

Tags Query Advanced Operations Setting Communication

Query Type:  Multi

Tags Count: 6 Takes(s): 45 Speed(p/s): 134 : 1

Num	A.	EPC	TID	PC	RSSI	Count	Last Time
1	1	A338C19825BA988B19860F64		3000	-75,0	1108	2016-03-03 11:12:41
2	1	300ED89F3350004000A2EF0D-TOWEL		3000	-54,8	1109	2016-03-03 11:12:41
3	1	000000000000000000000000765		3000	-78,9	1074	2016-03-03 11:12:41
4	1	113005DADDD901400000000000000000		4000	-73,9	1100	2016-03-03 11:12:41
5	1	300ED89F3350004000AD57C3		3000	-63,6	1103	2016-03-03 11:12:42
6	1	30395DFA834D8500000AA39E		3000	-77,1	1048	2016-03-03 11:12:41

Num	Time	Operation Result
1	2016-03-03 11:11:57	Open Com successful
2	2016-03-03 11:11:57	Get hardware success.
3	2016-03-03 11:11:57	Get Firmware success.
4	2016-03-03 11:11:57	Start Multi query success.

Hardware:1.0.0  
Firmware:1.2.2

## EMAIL NOTIFICATION/BEEP NOTIFICATION

- softextarraco@gmail.com 300ED89F3350004000A2EF0D-TOWEL2016-03-03 11:11:58
- softextarraco@gmail.com 300ED89F3350004000A2EF0D-TOWEL2016-03-03 11:11:50
- softextarraco@gmail.com 300ED89F3350004000A2EF0D-TOWEL2016-03-03 11:11:07

10/9/2019

Signal Incident for:300ED89F33500080000F5B36-10200:ALMOHADASF&D&T@  
@ 2019-09-10 11:01:56,Antenna:1

11:04 a. m.

Signal Incident for:300ED89F33500080000F5B36-10200:ALMOHADASF&D&T@  
@ 2019-09-10 11:10:07,Antenna:1

11:10 a. m.

## ANTENNA DESCRIPTION

### MID RANGE READER & ANTENNA ALL-IN-ONE

Impinj R2000 and R500 chips optional.

Built-in 9dbi antenna with 6-10m reading distance.

Both linear polarization and circular polarization optional.

Communication Port: RS485,RS232(DB-9),RJ45 (100M Ethernet port)

Wi-Fi optional.

Tags identification rate: 400tags/s.

Access control.

Logistics System.

Parking system, vehicle Management.

Digital warehouse management.

