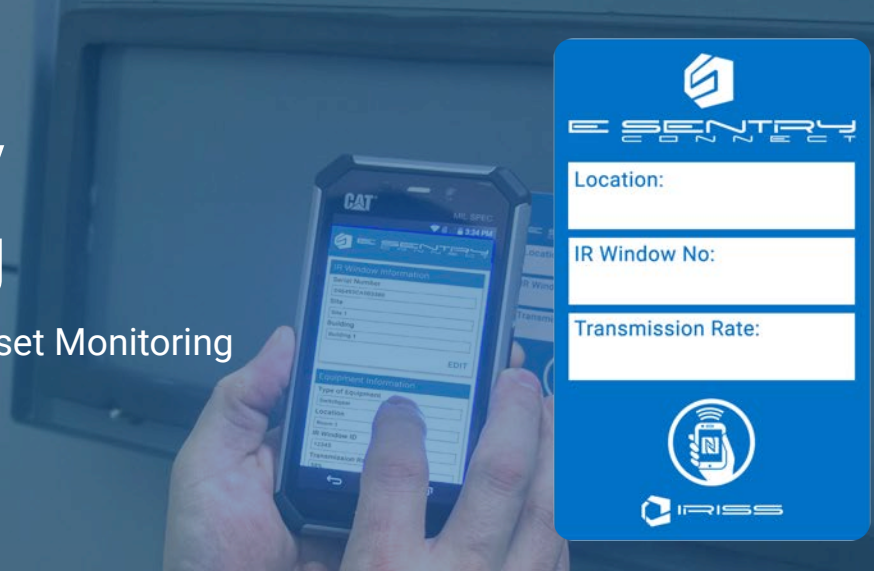


# The E Sentry Connect Tag

Cloud-based Intelligent Asset Monitoring System



The E Sentry Connect™ is our next generation intuitive asset information tagging system. The E Sentry Connect system utilizes Near Field Communication (NFC) contactless Smart Card technology that allows smart phone devices with NFC to easily access critical data relating to the equipment being inspected. It also saves up-to-date inspection data directly to the assets E Sentry Connect tag via a free App from IRISS. The E Sentry Connect system has been designed to be operated on 2 platforms: a standalone system or a subscription based cloud system allowing historical data back-up and complete access to the current status of all assets utilizing E Sentry Connect tags.

## Review & Analyze Temperature Trends

All historical data from the inspections recorded to the E Sentry Connect Tag are uploaded to the cloud and plotted in trend graphs for future reference. This data can be used by administrators to manage and even predict when assets may require maintenance or to deploy temperature monitoring systems. Multiple data sets can be recorded to the same tag - for instance temperature, pressure, decibels etc. This facilitates multiple CBM inspections data collection with a single tag.

## Trigger and Record Alarm Conditions

Alarms triggered by the E Sentry Connect App are immediately transmitted to the system administrators and designated users to ensure that resources are immediately assigned to bring the asset back online as quickly as possible.

## Features



Accessible Through App



Record Inspection & Equipment Data



Trigger Alarm Notifications



Create & Manage Users



Generate Custom Reports



Create Inspection Routes



Generate Trend Graphs



Inspection Notifications

# Specifications

Model	ESIR
<b>General Specifications</b>	
NFC Chip	NXP DESFire EV1 8K
Read Distance	0.5 to 1cm
Operating Frequency	13.56 MHz
Memory Capacity	8 kB
Inspection Details Field Capacity	4000 Characters
Units of Measure	°F, °C, Mm/s, dB, ft-lb, Nm, RH, pC, mV, V
Voice to Text Compatible	Yes
Operating Mode	Passive
Data Retention	10 Years
Write Endurance	500,000 Cycles
Material	PVC
Adhesive	3M 467MP (High-Performance Acrylic)
Release Liner	Polycoated Kraft Paper
Metal Isolation Layer	Ferrite
<b>Environmental Specifications</b>	
Operating Temperature (installed)	-40°C (-40°F) to 70°C (158°F)
Maximum Temperature	204°C (399°F) (exposed for a few hours)
Relative Humidity (installed)	90%
<b>Dimension Specifications</b>	
Dimensions	85.5 x 54mm (3.37 x 2.13in) (CR80)
Thickness	1.32mm (0.05in) (with release liner)
<b>Phone and Web Application</b>	
Phone Application Compatibility	Android
Phone Application Requirements	Android 4.4 and up
E Sentry Connect Cloud Browser Compatibility	Google Chrome and FireFox
<b>Other</b>	
Warranty	12 Month Limited Warranty

### Dashboard

#### Favorite Tags

Description	Site	Latest Check-in	Alarm
NTAG213 30mm stickers	unspecified	2018-03-27 15:22	None
NTAG213 25mm	Impact Centre	2017-12-23 23:39	None
NTAG213 20mm, copper antenna	Impact Centre	2016-10-19 15:30	None
1000 mAh Lion Battery	unspecified	2017-09-15 15:57	None

#### Alarmed Tags

Description	Site	Date	Alarm
TappyBLE fully assembled, no enclosure	unspecified	2017-04-26 18:29	Critical
Short USB Micro Cable, 0.3M	unspecified	2017-08-08 16:21	Critical
NTAG215 30mm	unspecified	2016-12-09 13:23	Critical
Li-Ion 1200 mAh LP503562	unspecified	2017-05-11 19:50	Critical
Fully assembled TappyUSB v3, no enclosure	unspecified	2017-08-25 13:37	Medium

#### Monitoring

Start Date: 5/2/2017 | End Date: 5/2/2018 | Unit: °C

#### Assigned Routes

Show: Active | Completed | All

Name	Employee	Time Assigned
3Diao Inventory	Bassam Khadiri	2016-05-11 15:10
Inventory Audit Route	David Shalaby	2016-03-03 17:31
Latvian Potato	David Shalaby	2018-03-27 15:20

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# The E Sentry QwikTAG

Record Information and Data Fields On Any Asset Imaginable



The E Sentry QwikTAG allows users to define information and data fields on any asset type imaginable. Maintenance records can be stored, accessed, and overwritten repeatedly. Users can shape and format the tag to fit their needs, altering it to contain information relative to their personal needs regarding inspections, maintenance, equipment and more. Working between the android app and the tag, users are able to fine tune their maintenance procedures to create their own custom solution on the fly.

## IRISS Clients Have Used E Sentry QwikTAG For:

- Rounds and readings (pressure, flow rates...)
- Tracking periodic maintenance tasks (oil changes, blade sharpening...)
- Maintenance instructions and checklists at asset
- Inventory management of medium to high value spares

## Features



Accessible Through App



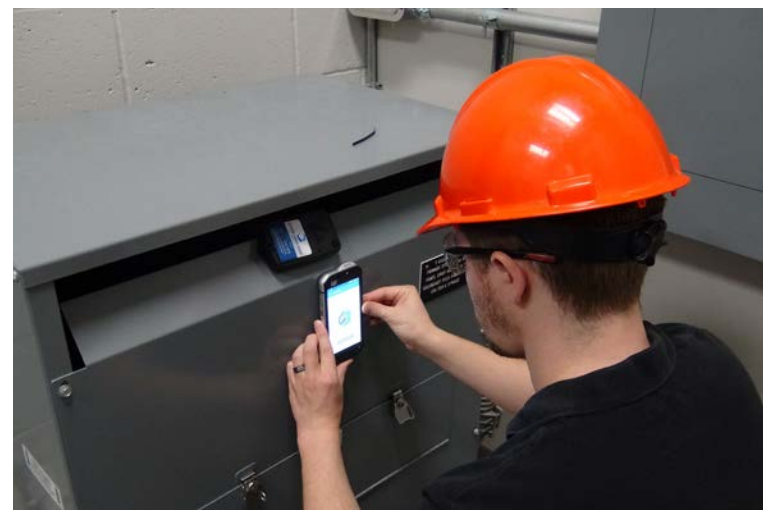
Record Inspection & Equipment Data



Trigger Alarm Notifications



Create & Manage Users



# Specifications

Model	QTP	QTM	QTH
<b>General Specifications</b>			
NFC Chip	NXP NTAG216		
Read Distance	0.5 to 1cm		
Operating Frequency	13.56 MHz		
Operating Mode	Passive		
Data Retention	10 Years		
Write Endurance	100,000 Cycles		
Material	PET	PET	PVC with lanyard
Adhesive	3M 467MP	3M 467MP	N/A
Release Liner	Polycoated Kraft Paper	Polycoated Kraft Paper	N/A
Metal Isolation Layer	N/A	Ferrite	N/A
<b>Environmental Specifications</b>			
Operating Temperature (installed)	-40°C (-40°F) to 70°C (158°F)		
Maximum Temperature	204°C (399°F) (exposed for a few hours)		
Relative Humidity (installed)	90%		
<b>Dimension Specifications</b>			
Dimensions	50 x 50mm (1.97 x 1.97in)	50 x 50mm (1.97 x 1.97in)	30mm Ø (1.18in Ø)
Thickness	0.42mm (0.01in) (with release liner)	0.79mm (0.03in) (with release liner)	0.93mm (0.04in)
<b>Phone Application</b>			
Phone Application Compatibility	Android		
Phone Application Requirements	Android 2.3.3 and up		
<b>Other</b>			
Warranty	12 Month Limited Warranty		

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