

Features & Specification

✧ Slim & compact size

Designed to be the smallest active tag for easy and convenient use as a small card or key fob. Light in weight and compact in size.

✧ Durable and replaceable battery

Battery used in the tags is replaceable and durable, while the tag's power consumption is low. All these help make the Hussar™ tags a cost effective choice for long term applications.

✧ Reliable and adjustable reading range

Hussar™ tags provide reading distance ranging from 5m to 50m, satisfying requirements for both short and long range reading. Together with reliable performance, great flexibility is provided for many applications.

✧ Identification of multiple tags

Powerful readability in which multiple tags can be identified simultaneously. Efficiency and accuracy is significantly enhanced.

Reading Range	30-50meters (depends on reader and environment)
RF Power Output	0dBm (1mW)
Anti-Collision	Read more than 100 tags simultaneously
Modulation	GFSK
Operation	Read only

Slim Tag HKRAT-NT02

Frequency	2.4GHz ~ 2.5GHz ISM
Dimension	52mm x 30mm x 4.5mm
Battery Life	Around 1 year (battery life measured at 1-second beacon interval)

Slim Plus Tag HKRAT-NT02+

Frequency	2.4GHz ~ 2.5GHz ISM & 13.56 MHz
Dimension	52mm x 30mm x 4.5mm
Battery Life	Around 1 year (battery life measured at 1-second beacon interval)

Card Plus Tag HKRAT-CT02+

Frequency	2.4GHz ~ 2.5GHz ISM & 13.56 MHz
Dimension	87mm x 55mm x 4.8mm
Battery Life	Around 2 years (battery life measured at 1-second beacon interval)

* For detailed specification of each product, please refer to product catalogues.



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Company Awards:



Hussar™ 2.4GHz Active RFID Tag Series

Advanced Access Control & People Tracking Applications Featuring Excellent Reliability and Flexibility

Access control and people tracking applications have been widely adopted in many areas today. It is of utmost importance for both business and residential areas to ensure security and prevent losses. Through incorporating active RFID technology into the process, the Hussar™ tag series advances and automates the whole system; while accuracy, reliability and flexibility are provided at the same time. Visitors and residents can also enjoy a more secure, fast and easy access now.



Hussar™ Slim Tag (HKRAT-NT02)

The smallest tag with replaceable battery



Hussar™ Slim Plus Tag (HKRAT-NT02+)

The smallest tag with NFC supported



Hussar™ Card Plus Tag (HKRAT-CT02+)

NFC supported with standard ISO card size

The Hussar™ tag family consists of a series of active RFID tags designed for flexible and convenient tagging of people in different applications. Specially designed to be in small size, it is best applied on people for convenient carriage. Reliable reading distances and powerful RFID functionalities ensure reliable access control and location tracking of people. Each model demonstrates unique features with durable product design, providing users the most flexibility in the long term and at a low cost.

Hussar™ Applications

Step 1

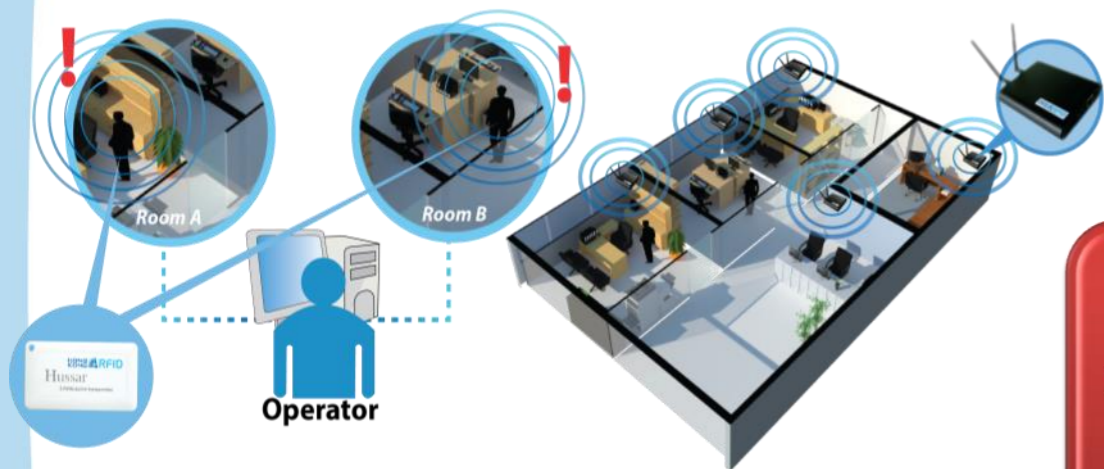
Hussar™ tags are given to each person or attached on their belongings to be carried around for identification at all times.

Step 2

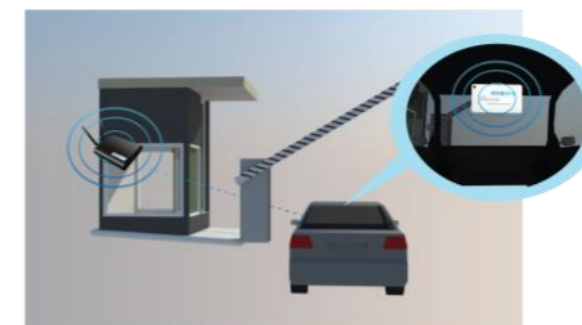
When the authorized person carrying the tag approaches the entrance/exit, readers would detect the tag automatically and send the tag ID to the system instantly.

Step 3

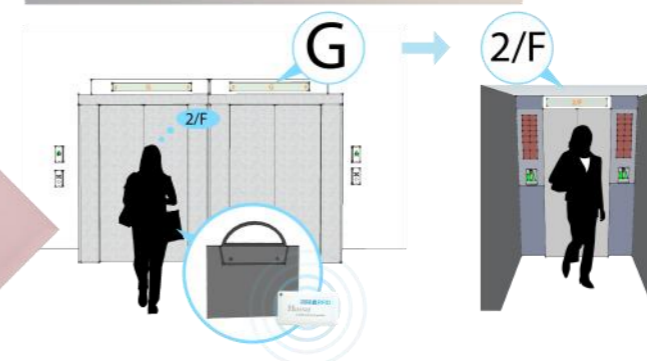
Corresponding actions, such as automatic opening of gates, warnings for unauthorized access, personalized service for certain customers, can be taken according to different purposes. Examples are as follows:



Operators can view locations of people within the area on PC. Any unauthorized access to dangerous zones could be immediately detected and stopped.



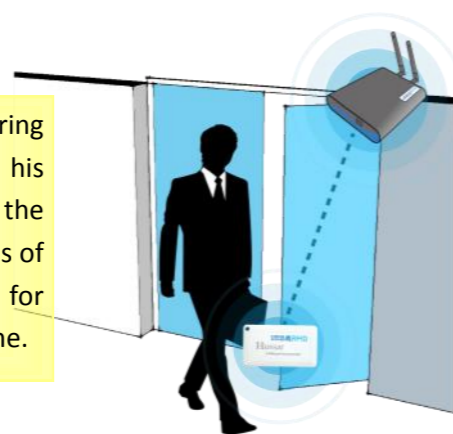
Once the reader installed at the entrance detected the tag ID sent from the tag carried by the car driver, the gate would be opened for access or departure of the car.



When the reader installed at the lift lobby detects the tag ID sent from the tag carried by the residents or staff, the lift would be automatically directed to the floor mapped with the tag ID.



When the tag ID of the person entering the room is sent to the reader, his attendance record will be updated in the PC automatically. Entry or exit records of a particular person can be retrieved for various management purposes anytime.



When the reader sense the tag ID of the customer, relevant customer profiles, purchase histories and other information are retrieved and displayed on the PC instantly. Staff could provide personalized service according to the information.

Enhanced Security Solution— NFC Supported Slim Plus Tag & Card Plus Tag

All three models of tags (Slim Tag, Slim Plus Tag & Card Plus Tag) can be reliably applied to all applications above. In situations where both long and short distance reading is required for access to different areas, Slim Plus and Card Plus Tags which have NFC function is the ideal choice. The dual frequency function of Slim Plus and Card Plus Tag provides more room for an extendable system.

