

SMARTAIR UPDATE On Card

SMARTAIR has gone one step further. To wire doors and entrances or to walk across the building to reprogram the system or read the events is no longer necessary.

Now, Smartair Update OnCard allows system users to do the job without noticing.

SECURITY

- » Stand alone locks. Operation does not depend on communications. Events are recorded and reported to database by means of user cards.
- » Invalidation, discard of lost or stolen cards to all accesses. Regular card revalidation helps keep the whole system under control.
- » Access plan can be changed for users. Unnecessary accesses can be avoided and time control can be implemented.
- » Thanks to Software TS1000, an SQL-compatible database controls all entry access to the site from multiple PCs and buildings.

COMFORT

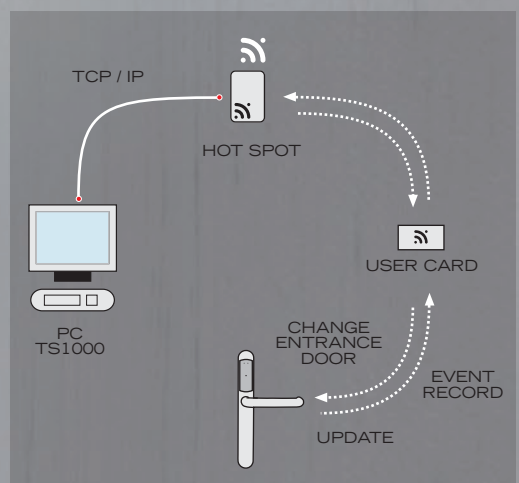
- » Easy installation. Wire-free. No pre-installation needed in doors, doorframes or walls.
- » Cost-effective. Fewer elements are needed than in traditional access control systems (controllers, electromechanical locks, and wall readers in every door).
- » Maintenance staff do not need to reach all doors to read the events or update the access plan via a portable programmer or PDA.
- » Online updates are communicated via TCP/IP, without any need for exclusive wiring or limited units in the system.

UoC: UPDATE ON CARD

Smartair UoC uses RFID reading and writing technologies, offering an effective, comfortable solution. The system reads the user cards, bracelets or key rings and transfers the information from the central database to the doors and vice versa.

WHAT IS SMARTAIR UoC?

Smartair UoC is a smart access control network combining wireless stand alone locks, hot spots that upload and download user information, and a management software that informs regularly of all the events in the system and allows to change access plans for all users without hard wiring the entrance doors.



How does Smartair UoC work?

John is a teacher in the School of Science. He uses the same card to:

- Access the University building
- Access his office
- Purchase snacks from vending machines
- Pay his transit bus tickets

Today he is changing offices. He is moving from the Department of Statistics to the Department of Numerical Calculus. Besides, the second term is kicking off today. John's lessons are in the afternoon.

To access the University building (A) he uses his card. Besides getting access to the site, other things will happen:

1. John will be allowed to stay in the building for 24 hours.
2. The events stored in his card will be uploaded.
3. He will get access to his **new office B**.
4. He will be denied access to **his former office C**.
5. He will get access to **classrooms D**, only in the afternoon shift.

When he leaves the building (A) all the events stored in his card will be uploaded.

John's card

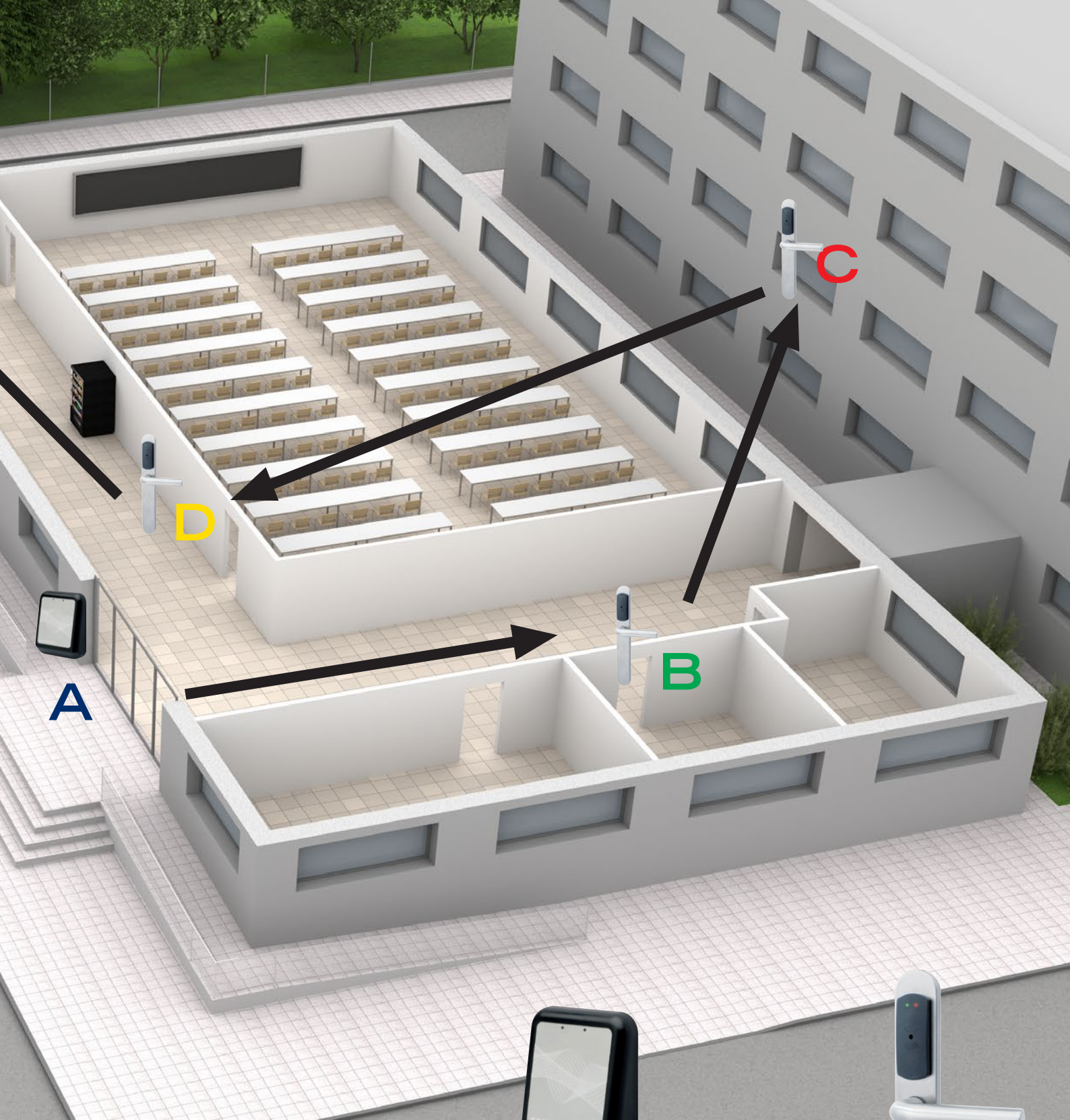
Access plan changes:

B C D

Events recorded:

- 08:40 a.m. 24-hour validation
- 12:40 p.m. Access to main building **A**
- 12:45 p.m. Access to new office **B**
- 13:10 p.m. Attempt to access former office **C**
- 15:00 p.m. Access to classroom 1
- 17:00 p.m. Access to classroom 2

 SMARTAIR



Smartair Updaters. All system users gain access and leave the building through the entry doors. Hot spots look like simple wall readers but they also:

- Revalidate the cardholder's right to stay in the building for a preset period of time (hours or days).
- Download all the events that were stored in the user's card during their last stay in the building.
- Inform the system of lock maintenance needs (battery status, etc.).
- Are online check points, which means all changes and updates are done in real time.

Smartair Locks. Whenever a user uses their card to open a door, the information is stored in the card as well as in the lock:

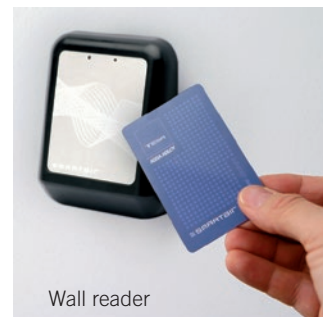
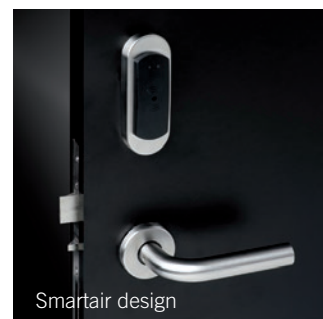
- When a cardholder loses his card, the data can be read from the lock.
- Both granted accesses, and access attempts are stored.
- When door access privilege is granted, denied or changed, the card transfers the information to the lock.

¿WHERE CAN YOU INSTALL SMARTAIR UoC?

Smartair adapts to all types of buildings requiring electronic access control or remote management:



- » Learning facilities (universities, schools, dorms, etc.)
- » Healthcare centres (hospitals, retirement homes, day-care centres, etc.)
- » Banking and financial institutions
- » Public buildings
- » Manufacturing plants
- » Airports
- » Others.



Smartair UoC is user-friendly and easy to install, which turns it into the ideal access control solutions for new buildings or to replace old locking systems. Smartair offers a wide range of products for different types of doors:

- » Emergency exits with panic bars.
- » Glass doors.
- » Wall readers.
- » Electronic locker systems.
- » Design model, with a small handleset.



SOFTWARE TS1000

TS1000 is a **highly intuitive management software** that works with an SQL database. With this software, the system operators can organise, control and update the system from a PC using a simple user interface.

TS1000 manages Smartair Wireless locks and wall readers, plus all Smartair products, offering versatility and the chance to upgrade the network: Smartair UoC (reading and writing), UoC wall readers, electronic locker systems, STX electronic cylinder locks and keys, online wall readers and updaters.



SMARTAIR CARDS

The ID devices use RFID-based technology that operates in compliance with ISO-15693 standards and 1444 A **mifare**®. This technology can be packed in cards, key rings, bracelets, watches, and so on, which serve as credentials.

All these devices **can be put to multiple uses** sending machines, banking, public transport, booking systems, and more.

They can be used to upgrade existing technologies such as magnetic stripe cards, 125KHz proximity cards, or contactless chips. They can operate in harsh environments, within a broad temperature range, are water- and dustproof, and have low sensitivity to shock and vibration.



TESA GLOBAL SOLUTIONS: MAKING A DIFFERENCE

What makes TESA different from other solutions? TESA has everything your project needs.

TESA offers a wide range of products mechanical mortise locks, door closers, mechanical cylinders and keys, multipoint locks, slender locks, handles, knobs, and so forth. **We carry all the door fittings you can imagine, and they are all compatible with Smartair.**



Do you need to combine Smartair with your mechanical key? Then the Combi key is the right solution for you.

Are you interested in an automatic multipoint lock to increase security? Think of TAB + Smartair.

Do you want to install an access control system and have an aluminium-profile door? A combination of the new 2210BE range and Smartair is your solution.

Do you need a reinforced door to improve perimeter security? SECU-1 + Smartair provide the right choice.





From a simple lock to multiple building access control systems, TESA provides integrated solutions for global projects. Homes, public buildings, and housing developments require a single network solution that controls entry accesses and emergency exits as well.

TESA is a leading firm whose simple, autonomous system offers buildings the versatility they need to operate safely and independently in an ever-changing environment.

TESA is one of the leading suppliers of electromechanical solutions worldwide. We invest in the development of new products and technologies every year, with more than 200 patents registered by our R&D team. We have a staff of 700 and export 40% of production to competitive markets in Europe, Latin America, and the Middle East. These are just facts and figures, but they can give you an idea of our goals achievements.



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