Article
STid's SPECTRE Nano

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SPECTRE nano

A new reader for instant Vehicle and Driver identification

One of the main priorities for organizations managing their fleet of vehicles is to ensure that only registered vehicles with authorized drivers access parking areas. Contactless technologies offer new possibilities to streamline parking access operations while protecting corporate assets. Frederick Trujillo, STid's Sales & Operations Manager, for North America, provides us with further explanation.

What potential do contactless technologies (RFID, Bluetooth®, IoT, etc.) offer to smoothen the process of car park access?

Frederick Trujillo: Security managers often must combine two seemingly contradictory challenges within their security policies: Securing the access to their car parks while ensuring a smooth traffic flow at the same time. Addressing both challenges is really essential, because statistics show that 7 out of 10 employees use their car to get to work. This fact alone should be sufficient to put effort in finding new solutions to simplify user mobility and increase the security level of parking access. How? By deploying technologies that enable automatic identification of the vehicle and/or its driver. STid strongly believes that vehicle access control should be equally as instinctive and secure as the identification of people. It should support the user in simplifying their daily routine and, more importantly, it should help avoid bottlenecks in traffic flow at peak times.

You announce the launch of a new reader for parking access control. What are its specific strengths?

Frederick Trujillo: In addition to our successful SPECTRE Scalable Long-Range reader for UHF tags, we are now launching SPECTRE nano. It's extremely compact size, its robustness and its technological innovations offer new ground-breaking perspectives to enhance vehicle access control operations.

First, our SPECTRE Nano combines Bluetooth® with UHF technologies to enable dual identification: vehicles in the access lane are identified remotely (up to 6m) and automatically and, in addition, visitors are identified with their smartphone and virtual card, because of the integration with the STid Mobile ID® ecosystem. Indeed, with STid Mobile ID®, you can digitize all your access badges/cards and transfer them onto one single app. The app can be used for both building and parking access control for employees and visitors.

Moreover, SPECTRE nano is extremely robust (IK10 and IP65 certified) and has an anti-tamper feature: the security keys are automatically destroyed in the event of attempted vandalism. STid shows with SPECTRE nano once again that it takes data security very seriously. The company considers it crucial to guarantee the protection, integrity, and confidentiality of data. The SPECTRE nano complies with end-to-end security concepts thanks to the usage of EAL5+ key storage, OSDP™ v1 & v2 protocols and data encryption and authentication methods for storage and data communication: Duplicating or emulating an authorized credential is impossible!

To conclude, SPECTRE nano has the best size / performance ratio on the market.

How is it essential to provide new technological solutions for parking access? Do you have examples?

Frederick Trujillo: Just think about what drivers are confronted with daily: busy traffic, incidents, traffic jams. This daily routine does not make our life a joyful experience. When we finally reach the car park entrance, the ordeal continues: we need to stop our vehicle and position it adequately, open the window and awkwardly finding the right posture to be able to present our badge to the reader, just close enough so that it almost touches it. This dreadful user experience has an impact on us and our surrounding environment: public roads and streets, other users. The process of trying to get access really can be a source of tension, especially when queues are long.

Another daily routine that deserves our attention is the access management of motorcycles in car parks. Motor bikes do not have a number plate mounted at the front which can be used for identification purposes. This inability to smoothly identify motor bikes potentially also hinders access control for vehicles. Bikers are required to remove a glove to either present a badge or identify themselves using a smartphone, which often requires finding and activating an app or typing a code. STid technology is supporting much more convenient user interaction scenarios. One tap with their smartphone with the STid Mobile ID® app is sufficient for bikers to get access to the parking. Easy and quick. Your employees and visitors will enjoy an improved user experience and your company will appreciate avoiding unnecessary queueing and safeguarding corporate security policies.

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