



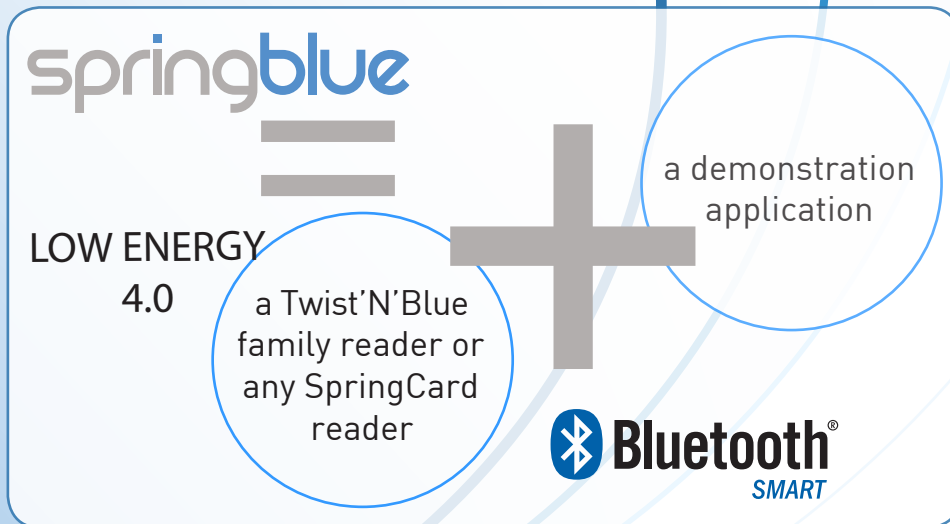
springblue

The new
Bluetooth® Smart (BLE)
solution
for access control
and identification

Introducing SpringBlue

SpringBlue is a **new approach of contactless identification**. SpringBlue unleashes the reading distance and creates **a true hands free experience**.

SpringBlue is a cutting edge solution made of two parts: **a smartphone application and a reader**. The reader uses Bluetooth® Smart technology (also known as Bluetooth Low Energy, 'BLE') to exchange data with the smartphone app. The application is tailored to fit the user-experience and features-list of your very own service.



Meeting NFC and Bluetooth® Smart (BLE) uses

The development of NFC technology during the last few years has dramatically **increased the use of smartphones** in place of cards or other tokens. New services are still created day after day, taking their root in contactless identification technologies.

SpringBlue is based on Bluetooth® Smart technology. **Thanks to SpringBlue, the smartphones that don't feature an NFC interface could also be used for contactless identification solutions.** More than that, SpringBlue gives a new hands free dimension to existing NFC solutions.

Bringing peace of mind

Established in 2000, SpringCard is **a recognized expert** of NFC and RFID identification solutions, authentication and secure solutions. And **we continually challenge ourselves** and strive to bring out innovative ideas: that is why we also explore Bluetooth® Smart technology potential.

SpringBlue is as **secure** as our other products and also **meets demands concerning privacy**. SpringBlue uses a fieldproven authentication mechanism: the transaction is encrypted and data are kept confidential.

Readers for successful projects

SpringCard designs the **Twist'N'Blue readers family**, based on Bluetooth® Smart technology.

Interfaces available on the readers are RS232, RS485 and USB. The communication protocol is the same as the one used by our badge readers.

The readers are **reliable over time** and can face rough environments. Thanks to their mechanical specifications, they are **easy to mount** in a kiosk or other machines.

The range you choose

Bluetooth® Smart communication works at a greater distance than NFC: the practical range of SpringBlue is **widely adjustable, without changing antenna**.

In SpringBlue architecture, the smartphone is seeking to communicate only with the SpringBlue terminals. If this is **the key to the security system**, it is also a mechanism that avoids unnecessary battery consumption on the smartphone.

A little energy product

The exchange protocol and the SpringBlue application allow energy-efficient-operations..

If smartphones are increasingly effective, users are still waiting for more services. The autonomy of the devices remains often too limited in relation to the uses, but **Spring-Blue has been designed to have the smallest impact on their consumption**.

Your service at an attractive cost

The SpringBlue application **runs on most of current smartphones**.

You can immediately launch your service either by using the ready-to-use SpringBlue application or by easily integrating SpringBlue protocol in your own application.

If you choose the second solution, a Software Development Kit (SDK) is provided by SpringCard free of charge.

SpringCard can also **assist you** by providing expert support and development skills **to meet specific needs**.

SpringBlue, in a nutshell

THE SPRINGBLUE READER



{ Twist'N'Blue family }

Mounted in your equipment (kiosk, ATM, door entry systems, etc.), the reader is **unobstrusive**.

It uses :

- either the same communication protocol as the other readers made by SpringCard
- or your own protocol, needing a specific development



THE SPRINGBLUE APPLICATION

LOW CONSUMPTION



coming up next...

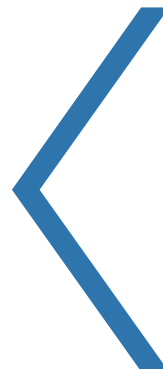


The application identifies your customers and your users

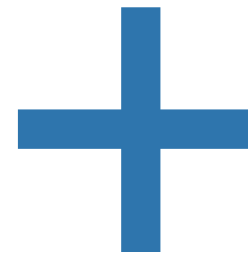
SpringBlue opens new opportunities cloud services

A FEW IDEAS OF INNOVATION FIELDS

- loyalty systems
- electronic purse
- paperless parking ticket
- access to an event
- pre-sales services
- hands free access control
- ...



SpringBlue works, even if your customers or users' smartphones are not compatible with the card emulation mode (NFC HCE ou NFC SIM-centric)



The SpringBlue application is customizable



Working with SpringCard is the promise that the developments linked to readers are sustainable and extended

springblue is made by springcard®

YOUR EXPERT IN CONTACTLESS SOLUTIONS

SpringCard offers a wide range of products to meet as many as possible of needs and use cases.

With a 15-year experience in contactless smartcards, communication technologies and development on embedded or mobile systems, SpringCard R&D Team is also a valuable partner to design your own solution or product.

Paris – Angers – San Diego – Tokyo – Sydney



www.springcard.com



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