

PRODUCT DATASHEET

EVOLUTION SERIES BLUETOOTH



Highlights

SIMPLIFIED ACCESS CONTROL

Intuitive identification is the key for absolute freedom of movement without compromise. For employees, access control is not a constraint anymore.

HIGH LEVEL OF SECURITY

Well-known, public algorithms (AES, RSA,...) are used for secure data reading. Data exchanges and data storage are protected all along the information chain.

Bluetooth identification mode



CARD MODE

Place your smartphone in front of the reader, just as a classic badge



SLIDE MODE

Place your hand close to the reader, and keep your phone in the pocket



TAP TAP MODE

For near or remote opening, tap your phone twice in your pocket



HANDS FREE MODE

The distance is programmed in the reader, simply pass in front of it to open the access



REMOTE MODE

Control your access points remotely, your phone becomes a remote control

Intuitive & Customizable

This range of 13,56 MHz readers integrates Bluetooth features. It allows your users to identify themselves with classic badges (Mifare / Desfire EV1, EV2, EV3) and with their smartphones.

EVOLUTION BLUETOOTH can be adapted to any security strategy. The readers can be programmed to read UID numbers or secure data (files or sectors) stored in protected areas.

About Bluetooth identification : an application enables receiving and storing of virtual access to your smartphone.

3 different accesses are proposed to correspond to your needs:

- ID : CSN ID included in the application, Card mode only
- ID+ : CSN ID included, Card / Slide / Taptap / Hands free mode
- SECURE + : Private and secure ID, all 5 modes are included

You can add additional security levels enforcing the smartphone unlocking, and / or by adding to the reader an easy-to-connect biometry component. You can also choose between standard or scramble keypad (numbers are never displayed at the same position).

Credentials can be created via MOBILE ID, a client portal on the STID online interface

13,56 MHZ READERS

EVOLUTION



EVOLUTION BLUETOOTH

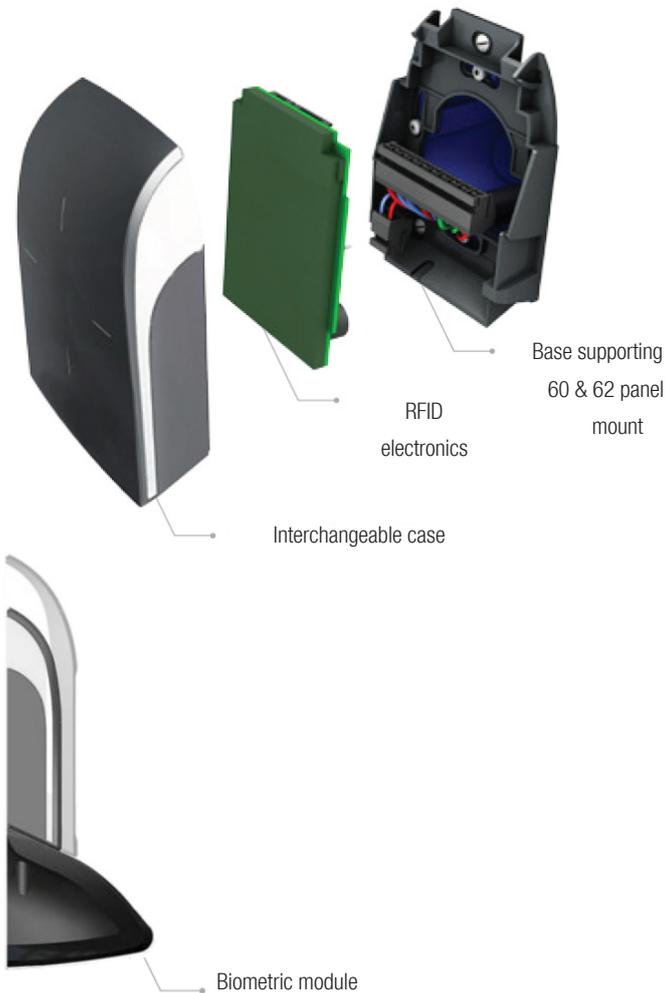


SIGNO



EVOLUTION SERIES BLUETOOTH

Mounting and modularity



Main features

- Output formats : DataClock/Wiegand or RS485
- IP65 polycarbonate case, resistant to water jets and dust
- Cases are available in different colors. 360 different colors can also be used for backlighting
- Signal & pullout prevention (accelerometer) transmitted via the TIL remote modules

Technical details

- Power supply : 12 VDC
- Average consumption : 100 mA
- Emission frequency : 13.56 MHz - ISO14443 A & B, ISO18092 (NFC) and Bluetooth 4.0
- Max. distance between module & reader : 100 m (Wiegand/Dataclock) to 300m (SSCP V2)
- Communication interface : Data/clock ISO2, Wiegand, SSCP V2 or RS485 with AES128 encryption
- Connection : 10 point (5mm) snap-on terminals
- Protection : Pullout detection (accelerometer) + possibility of removing keys
- Dimensions :
 - » 107 x 80 x 26 mm (standard reader and keypad reader)
 - » 128 x 80 x 31 mm (colour touchscreen reader)
- Mounting : Surface or panel mount (electrical box axis distance: 60 & 62 mm)
Compatible with any support types including metallic surfaces (no spacer needed)
- Reading distance : Between 4 and 8 cm when using Mifare Classic badges
- Bluetooth reading distance : Up to 20 m for the Remote mode
- Parameterisable signaling :
 - » 2 RGB LEDs - 360 colours
 - » Integrated buzzer (driven by NG / V3 control units only)
- Materials :
 - » ABS-PC UL-V0 (black)
 - » ASA-PC-UL-V0 UV (white)
- Resistance / sealing : IK10, IP65 (excluding connections)
- Operating temperature :
 - » -20°C to +70°C (standard reader and keypad)
 - » -10°C to +60°C (touchscreen reader)
 - » -10°C to +50°C (reader with biometry)
- Weight : 0.220 kg (excluding biometry)

ID compatibility

- ISO14443 A & B, ISO18092 (NFC)
- MIFARE® Ultralight & Ultralight C, MIFARE Classic, MIFARE Plus, MIFARE DESFire EV1 & EV2 & EV3, NFC, SMART MX, CPS3, Moneo, iCLASS, PicoPass
- Download the free application on OS ANDROID 4.4 or iOS9 (or higher)
- Bluetooth 4.0 as a minimum version

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