

RFID ACCESS CARD + BIOMETRIC READER

MULTI-TECHNOLOGY MIFARE® DESFIRE® EV2 & EV3, NFC AND BLUETOOTH®

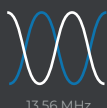


Available in touchscreen or keypad versions



BENEFITS

- Strong multi-factor authentication
- GDPR legislation compliant
- Embedded anti-fraud features
- Interoperable and multi-protocol



- Add your logo
- 2 configurable multicolor LEDs

The Architect® Blue biometric reader combines the latest RFID MIFARE® DESFire® EV2 technologies with digital fingerprint recognition to ensure a strong authentication of the user and enhance the security of your access control system.

EASY FINGERPRINT MANAGEMENT

Different possibilities of fingerprint management depending on your security needs:

- **Fingerprint templates directly stored in the RFID card** (CNIL French & GDPR European legislation compliance)
- **Fingerprint templates stored in the system**
- **Card only mode with derogation at the card level** (one-time visitor, difficult finger...)
- **Smartphone with biometric unlocking or Smartphone only with derogation**

WELCOME TO HIGH SECURITY

The reader allows the secure identification of users thanks to its multiple identification technologies.

RFID MIFARE® DESFire® EV2 & EV3

The reader supports the latest contactless technologies with the newest data security devices:

- **Secure Messaging EV2:** transaction security that protects against interleaving and replay attacks.
- **Proximity Check:** protection against relay attacks.

It integrates recognized and approved security mechanisms such as public algorithms and an EAL5+ certified crypto processor to protect your data stored in the reader.

Bluetooth® and NFC smartphones

The smartphone* becomes your access key and erases all the constraints of traditional access control. STid offers 6 identification modes - Prox, long distance or hands-free - to make your access control both secure and instinctive!

ADVANCED ANTI-FRAUD FUNCTIONS

The Architect® Blue biometric reader is designed to resist fraud attempts:

- **False finger detection:** the reader detects a wide range of counterfeit fingerprints made of latex, Kapton, transparent film, rubber, graphite, etc.
- **Detection of live fingers**
- **Duress finger:** the admin can assign a finger number dedicated to authentication when the user is threatened.

ULTIMATE SELF-PROTECTION

The patented motion sensor pull detection system protects sensitive data by allowing authentication keys to be erased.

Unlike existing solutions within this market, the reliability of the accelerometer avoids potential system bypass.

*The smartphone can be used as a biometric derogation. There is no fingerprint stored in the virtual card.

SPECIFICATIONS

| | |
|--------------------------------------|---|
| Operating frequency/Standards | 13.56 MHz: ISO14443 types A & B, ISO18092 Bluetooth® |
| Technology compatibilities | MIFARE® Classic & Classic EV1 (4 kb), MIFARE® Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256 (1 fingerprint), EV1, EV2 & EV3 STid Mobile ID® (NFC and Bluetooth® virtual card), Orange Pack ID |
| Functions | Read only CSN and secure (file, sector) / Controlled by protocol (read-write) |
| Digital fingerprint sensor | Optical (SAFRAN MorphoSmart™ CBM E3) - ≤ 1 second for a 1:1 authentication Fingerprint stored in the RFID card or in the system No fingerprint stored in the virtual card |
| Communication interfaces & protocols | TTL Clock&Data (ISO2) or Wiegand output (encrypted communication option - S31) / RS485 outputs (encrypted option - S33) with SSCP® v1 & v2 secure communication protocols; OSDP™ v1 (plain) and v2 (SCP secure) |
| Decoder compatibility | Compatible with EasySecure interface (encrypted communication) |
| Reading distances** | Up to 8 cm / 3.15" with a MIFARE® DESFire® EV2 or Classic card Up to 20 m / 65.6 ft with a Bluetooth® smartphone (adjustable distances on each reader) |
| Data protection | Yes - Software protection and EAL5+ crypto processor for secure keys storage |
| Light indicators | 2 RGB LEDs - 360 colors ▲ ▲ ▲ Configurable by card (classic or virtual with STid Settings application), software or controlled by external command (0V) depending on interface |
| Audio indicator | Internal buzzer with adjustable intensity Configurable by card (classic or virtual with STid Settings application), software or controlled by external command (0V) depending on interface |
| Relay | Automatic tamper detection management or SSCP® / OSDP™ command according to the interface |
| Power requirement | Max 300 mA / 12 VDC |
| Power supply | 7 VDC to 28 VDC |
| Connections | 10-pin plug-in connector (5 mm / 0.2") / 2-pin plug-in connector (5 mm / 0.2"): O/C contact - Tamper detection signal |
| Material | ABS-PC UL-V0 (black) |
| Dimensions (h x w x d) | 156.4 x 80 x 59.6 mm / 5.04" x 3.15" x 1.2" (general tolerance following ISO NFT 58-000 standard) |
| Operating temperatures | - 10°C to + 50°C / 14°F to 122°F |
| Tamper switch | Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller |
| Protection / Resistance | IP65 Level excluding connector - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) Humidity: 0 - 95% |
| Mounting | Compatible with any surfaces and metal walls - Wall mount / Flush mount: - European 60 & 62 mm / 2.36" & 2.44" - American (metal/plastic) - 83.3 mm / 3.27" - Dimensions: 101.6 x 53.8 x 57.15 mm / 3.98" x 2.09" x 2.24" - Examples: Hubbel-Raco 674, Carlon B120A-UP |
| Certifications | CE (Europe), FCC (USA), IC (Canada) and UL |
| Part numbers | Secure read only - TTL.....ARCS-R31-D/BT1-xx/1 Secure read only / Secure Plus - TTL.....ARCS-S31-D/BT1-xx/1 Secure read only - RS485.....ARCS-R33-D/BT1-7AB/1 Secure read only / EasySecure interface - RS485ARCS-R33-D/BT1-7AA/1 Secure read only / Secure Plus - RS485.....ARCS-S33-D/BT1-7AB/1 Secure read only / Secure Plus / EasySecure interface - RS485ARCS-S33-D/BT1-7AA/1 Controlled by SSCP® v1 protocol - RS485.....ARCS-W33-D/BT1-7AA/1 Controlled by SSCP® v2 protocol - RS485.....ARCS-W33-D/BT1-7AD/1 Controlled by OSDP™ v1 & v2 protocol - RS485.....ARCS-W33-D/BT1-7OS/1 |

DISCOVER THE COMPANION PRODUCTS



13.56 MHz or dual frequency
ISO cards & key holders
Bluetooth® & NFC smartphones / smartwatches
using STid Mobile ID® application



Decorative plate / Spacer /
Converter cables / Mounting plate...



SECARD
SECARD configuration kit and
SSCP® v1 & v2 and OSDP™ protocols



STid Mobile ID®
Online Portal
Web platform for remote
management of your virtual cards

**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of credential, size of the credential, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading). External interference may reduce reading distances.
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