VANDAL-PROOF KEYPAD READER

RFID MIFARE® DESFIRE® EV2 & EV3 CARDS, NFC & BLUETOOTH®

13 AWARDS

LIFETIME WARRANTY

BENEFITS

- RFID, Bluetooth® and NFC secure technologies
- Multi-factor identification with capacitive keypad
- Rugged design for indoor / outdoor use
- Interoperable and multi-protocol

OSDP™ Supported by SIA

SSCP® Supported by SPAC

13.56 MHz · BLUETOOTH® · TTL RS485 · EAL5+ · Water resistant IP65 · Vandal-proof IK08 · YOUR LOGO

- Print your logo
- Casing color
- 2 configurable multicolor LEDs

Compatible with all access control systems, the Architect® Blue reader combines RFID, Bluetooth® and NFC technologies with a capacitive vandal-proof keypad.

VANDAL-PROOF CAPACITIVE KEYPAD

Equipped with a backlit keypad, the reader allows multi-factor identification of users by combining the reading of an RFID or virtual card with the input of a personal keypad code.

Thanks to its different operating modes, the keypad can be used for identification or to activate additional functions (alarm...).

The same reader can also operate in multiple mode e.g. it authorizes card reading for personnel or just code entry for visitors or temporary workers.

WELCOME TO HIGH SECURITY

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

Bluetooth® and NFC

The smartphone becomes your access key and removes all the limitations of traditional access control cards. STid offers 5 modes of Prox, long distance or handsfree identification to make your access control both secure and instinctive!

RFID MIFARE® DESFire® EV2 & EV3

The reader supports the latest contactless technologies with new data security features:

- **Secure Messaging EV2:** protection against attacks via interleaving and replay.
- **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.

A CUSTOMIZED SCALABLE CONFIGURATION

The reader can be customized to meet your needs: all the features and security levels of the readers in your organization can be upgraded - by RFID credential, virtual card or protocol.

The scalability allows you to implement new functionalities: biometric sensor, QR Code reader or 125 kHz...

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The keypad reader is compatible with many access control systems and accepts multiple interfaces and protocols (Wiegand, Clock&Data, SSCP® v1 & v2 and OSDP™).

STANDING THE TEST OF TIME

The design of the reader makes it very robust in harsh environments. It can therefore be used outdoors and offers high levels of resistance to vandalism (IK08 certified).

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

SPECIFICATIONS

Operating frequency / Standards	13.56 MHz : ISO14443A types A & B, ISO18092 Bluetooth®
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, PicoPass® (CSN only), iCLASS™ (CSN only*) STid Mobile ID® (NFC HCE and Bluetooth® virtual card), Orange Pack ID
Functions	CSN, pre-configured (Easyline - PC2) or secure (file, sector) read only / Controlled by protocol (read-write)
Communication interfaces & protocols	TTL Data/Clock (ISO2) or Wiegand output (encrypted communication option - S31) / RS485 output (encrypted option - S33) with SSCP® v1 & v2 secure communication protocols; OSDP™ v1 (plain) and v2 (SCP secure) - Compatible with EasySecure interface (encrypted communication)
Keypad	Sensitive / capacitive keypad - 12 backlit keys / Modes: Card AND Key / Card OR Key Configurable by card (classic or virtual with STid Settings application) or software depending on interface
Reading distances**	Up to 6 cm / 2.36'' with a MIFARE® DESFire® EV2 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 key storage
Light indicator	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by card (standard or virtual with STid Settings application), software, external command (0V) or according to the interface
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual with STid Settings application), software, external command (0V) or according to the interface
Relay	Automatic tamper direction management SSCP® / OSDP™ command according to the interface
Power requirement	180 mA / 12 VDC max
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) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	106.6 x 80 x 25.7 mm / 4.21'' x 3.15'' x 1.02'' (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller
Protection / Resistance	IP65 - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) Humidity: 0 - 95% / IK08 certified & reinforced vandal-proof structure
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 y: case color (1: black - 2 white)	Pre-configured read-only Easyline - Wiegand ..... ARCS-R31-B/PC2-3x/1 Secure read-only - TTL ..... ARCS-R31-B/BT1-xx/y Secure read-only / Secure Plus - TTL ..... ARCS-S31-B/BT1-xx/y Secure read-only - RS485 ..... ARCS-R33-B/BT1-7AB/y Secure read-only / EasySecure interface - RS485 ..... ARCS-R33-B/BT1-7AA/y Secure read-only / Secure Plus - RS485 ..... ARCS-S33-B/BT1-7AB/y Secure read-only / Secure Plus / EasySecure interface - RS485 ..... ARCS-S33-B/BT1-7AA/y Controlled by SSCP® v1 protocol - RS485 ..... ARCS-W33-B/BT1-7AA/y Controlled by SSCP® v2 protocol - RS485 ..... ARCS-W33-B/BT1-7AD/y Controlled by OSDP™ v1 & v2 protocol - RS485 ..... ARCS-W33-B/BT1-7OS/y

DISCOVER OUR CREDENTIALS AND OUR ERGONOMIC MANAGEMENT TOOLS

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

Rain cover

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

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

*Our readers only read the iCLASS™ chip serial number / UID PICO1444-3B. They do not read iCLASS™ cryptographic protection or the HID Global serial number / UID PICO 15693.
**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading).

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