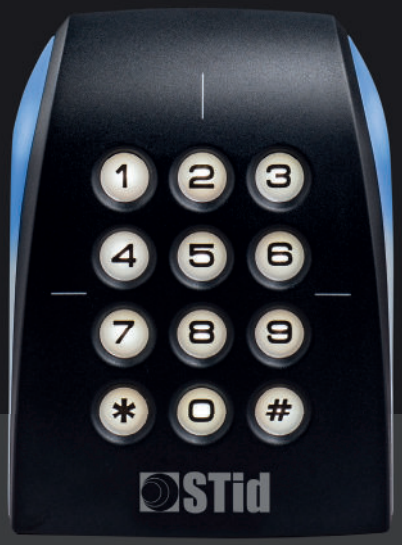
ARCHITECT®

VANDAL-PROOF KEYPAD READER

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



11 Awards

LIFETIME WARRANTY

BENEFITS

- RFID 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

TTL RS485

Water resistant IP65

Vandal-proof IK08

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

Compatible with all access control systems, the Architect® reader combines RFID 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 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 supports the latest MIFARE® DESFire® EV2 & EV3 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 supports the use of public security algorithms (3DES, AES, RSA, SHA...) recognized by specialized and independent organizations in information security (ANSSI and FIPS).

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 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® 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).

OUR SECURITY OFFERINGS

- **Easyline** : readers and cards pre-configured and programmed, ready to use.
- **Expert line** : you program your readers and cards in perfect autonomy with the intuitive configuration tools.
- **Individual line** : we offer a wide range of Premium services to configure and customize your readers and credentials according to your needs.

Find out more

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

STid

SPECIFICATIONS

Operating frequency / Standards	13.56 MHz : ISO14443 types A & B, ISO18092
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only*)
Functions	CSN, pre-configured (Easyline - PC2) or secure (file, sector) read only / Controlled by protocol (read-write)
Communication interfaces & protocols	TTL Clock&Data (ISO2) or Wiegand output (encrypted communication option - S31) / RS232 & RS485 outputs (encrypted option - S33) with SSCP® v1 & v2 secure communication protocols; OSDP™ v1 (plain) and v2 (Secure Channel Protocol)
Decoder compatibility	Compatible with EasySecure interface (encrypted communication) and EasyRemote interfaces (transparent architectures)
Keypad	Sensitive / capacitive keypad - 12 backlit keys / Modes: Card AND Key / Card OR Key Configurable by card RFID or software depending on interface
Reading distances**	Up to 6 cm / 2.36'' with a MIFARE® DESFire® EV2 card
Light indicators	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by card RFID, software, external command (0V) or according to the interface
Audio indicator	Internal buzzer Configuration by card RFID, software, external command (0V) or according to the interface
Relay	Automatic tamper direction management SSCP® / OSDP™ command according to the interface
Power requirement	160 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)

Read-only serial number - TTL	ARC-R31-B/103-xx/y
Pre-configured read-only Easyline - Wiegand	ARC-R31-B/PC2-3x/1
Secure read-only - TTL	ARC-R31-B/PH5-xx/y
Secure read-only - Secure Plus - TTL	ARC-S31-B/PH5-xx/y
Secure read-only - RS232	ARC-R32-B/PH5-5AB/y
Secure read-only - RS485	ARC-R33-B/PH5-7AB/y
Secure read-only - EasySecure - RS485	ARC-R33-B/PH5-7AA/y
Secure read-only - Secure Plus - RS485	ARC-S33-B/PH5-7AB/y
Secure read-only - Secure Plus / EasySecure - RS485	ARC-S33-B/PH5-7AA/y
Secure read-only - EasyRemote - RS485	ARC-R33-B/PH5-7BB/y
Controlled by SSCP® v1 protocol - RS232	ARC-W32-B/PH5-5AA/y
Controlled by SSCP® v1 protocol - RS485	ARC-W33-B/PH5-7AA/y
Controlled by SSCP® v2 protocol - RS485	ARC-W33-B/PH5-7AD/y
Controlled by OSDP™ v1 & v2 protocol - RS485	ARC-W33-B/PH5-7OS/y

DISCOVER OUR CREDENTIALS AND OUR ERGONOMIC MANAGEMENT TOOLS

13.56 MHz ISO cards & key holders

NFC smartphones using STid Mobile ID® application

Rain cover

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

*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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