

HIGH-SECURITY MULLION READER

RFID CARDS & NFC SMARTPHONES



- Add your logo
- 2 configurable multicolor LEDs
- Casing colors
- Skin effect customization

Compatible with all access control systems, Architect® One is an extremely compact reader for RFID cards and NFC smartphones for mounting on narrow surfaces.

SLEEK DESIGN FOR EASY INSTALLATION

The mullion reader is designed to be installed in spaces requiring a small footprint: door frames, narrow electrical junction boxes, sliding doors, fast access control corridors, elevators.

Its optimized design ensures perfect integration, whatever the installation environment and without additional spacers (even on metal). The pluggable cable and the mounting base make it very easy to install.

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).

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.

OPEN TECHNOLOGIES FOR EASY INTEGRATION

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

THE STANDING THE TEST OF TIME

Architect® One reader design makes it very robust in harsh environments (IP65 level). with high levels of resistance to vandalism (IK10 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 ▶



SPECIFICATIONS

Operating frequency / Standards	13.56 MHz: ISO14443 types A & B, ISO18092
Chip Compatibilities	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, CPS3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only*)
Functions	Read only CSN, pre-configured (Easyline - PC2) and secure (file, sector) / Protocol-driven (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)
Decoder compatibility	Compatible with EasySecure interface (encrypted communication) and EasyRemote and RemoteSecure interfaces (transparent architectures)
Reading distances**	Up to 6 cm / 2.36" with a MIFARE® DESFire® EV2 card
Light indicator	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configurable by RFID card, software or controlled by external command (0V) depending on interface
Audio indicator	Integrated buzzer with adjustable intensity Configurable by RFID card, software or controlled by external command (0V) depending on interface
Consumption / Power supply	130 mA/12 VDC Max / 9 VDC to 15 VDC
Connectors	Cable with plug connector 3 m / 9.8 ft
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	111.5 x 42.2 x 22 mm / 4.39" x 1.66" x 0.86" (general tolerance according to standard ISO NFT 58-000)
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 level - Tropicalized electronics according to standard CEI NF EN 61086 - Weather, water and dust resistant / Humidity: 0 - 95% / IK10 certified vandal-proof reinforced structure
Mounting	Wall-mounted, on door frames and on narrow electrical pots (32 mm / 1.26" x 2 holes) Mounting on any type of support including metal without spacer
Certifications     	CE (Europe), FCC (USA), IC (Canada), UKCA (UK) and UL
Part numbers y: casing color (1: black - 2: white)	Read only CSN - TTL ARC1-R31-B/103-xx/y Secure read-only MIFARE® Classic - TTL ARC1-R31-B/PH1-xx/y Secure read-only MIFARE® Classic - RS485 ARC1-R33-B/PH1-7AB/y Pre-configured read-only Easyline - Wiegand ARC1-R31-B/PC2-3x/1 Secure read-only - TTL ARC1-R31-B/PH5-xx/y Secure read-only / Secure Plus - TTL ARC1-S31-B/PH5-xx/y Secure read-only - RS485 ARC1-R33-B/PH5-7AB/y Secure read-only / EasySecure interface - RS485 ARC1-R33-B/PH5-7AA/y Secure read-only / Secure Plus - RS485 ARC1-S33-B/PH5-7AB/y Secure read-only / Secure Plus / EasySecure interface - RS485 ARC1-S33-B/PH5-7AA/y Secure read-only / EasyRemote interface - RS485 ARC1-R33-B/PH5-7BB/y Controlled by SSCP® v1 protocol - RS485 ARC1-W33-B/PH5-7AA/y Controlled by SSCP® v2 protocol - RS485 ARC1-W33-B/PH5-7AD/y Controlled by SSCP® v1 protocol / RemoteSecure interface - RS485 ARC1-W33-B/PH5-7BB/y Controlled by SSCP® v1 protocol / RemoteSecure addressable interface - RS485 ARC1-W33-B/PH5-7BC/y Controlled by OSDP™ v1 & v2 protocol - RS485 ARC1-W33-B/PH5-7OS/y

CREDENTIALS AND ERGONOMIC MANAGEMENT TOOLS



13.56 MHz
ISO cards & key holders



NFC Smartphones with
STid Mobile ID® application



Decorative plate / Shield / TBLOCK /
Spacer / Decoder...



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

* Our readers only read the / UID PICO1444-3B serial number of the iCLASS™ chip. They do not read the cryptographic protections iCLASS™ nor the / UID PICO 15693 serial number of HID Global.

**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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