# MULTI-TECHNOLOGY TOUCHSCREEN READER

125 kHz MULTI-PROX, MIFARE® DESFIRE® EV2 & EV3, NFC

BENEFITS

- Compatible with legacy Prox 125 kHz technologies
- Seamless migration to secure technologies
- Customizable multi-function color touchscreen
- High-security function with scramble pad
- Modular concept for maximum cost optimization

16 AWARDS

OSDP™ Supported by **SIA**

125 kHz
13.56 MHz

NFC

WIEGAND OSDP™

Water resistant EQ IP65
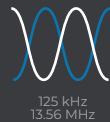
YOUR LOGO
- Display of your logo, images and customized text
- 2 configurable multicolor LEDs

The Architect® Hybrid Multi-Prox reader facilitates your migrations to secure technologies. It combines identification technologies 125 kHz and 13.56 MHz with a customizable color touchscreen.

MULTI-TECHNOLOGY READER

Offering support for the widest range of contactless identification technologies, the reader is the ideal choice for making a gradual transition to high security. It simplifies management of upgrades, technological migrations and complex multi-site configurations.

125 kHz Prox technologies

The reader is compatible with many legacy Prox technologies: EM®, HID Proximity®, AWID®, INDALA®, IOPROX®...

RFID MIFARE® DESFire® EV2 & EV3

It 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.

The reader supports the use of public security algorithms recognized by specialized and independent organizations in information security (ANSSI French cybersecurity agency and FIPS).

TOUCH KEYPAD READER

Both a reader and a tactile keypad, it allows user identification by combining the reading of an RFID card with the input of a personal keypad code.

The same reader can also operate in multiple mode. It authorizes, for example, the reading of cards for personnel and the entry of codes for visitors or temporary workers.

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The reader is compatible with all access control systems and accepts multiple interfaces and protocols (Wiegand and OSDP™ v1 & v2).

SMART FUNCTIONS

Scramble Pad: protects access against the fraudulent use of identification codes by the random display of the keys.

Mixed display: logo, instructions, personalized messages, images, or keypad are displayed by a simple touch wake-up of the screen.

Advanced function buttons using the OSDP™ protocol: alarm activation, time attendance...

Doorbell: tactile button used to activate a doorbell via the relay built into the reader.

A CUSTOMIZED SCALABLE CONFIGURATION

The Architect® 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 or protocol.

The scalability allows you to remove the 125 kHz module once your technology migration is completed and / or to implement new functionality such as a touchscreen.

DESIGNED & MADE IN FRANCE

SMARTER SECURITY ANSWERS

STid

SPECIFICATIONS

Operating frequency / Standards	125 kHz 13.56 MHz: ISO14443 types A & B, ISO18092
Technology compatibilities	EM42xx / EM4x50, HID Proximity®, INDALA® (Wiegand 26 & 27 bits), IOPROX®, AWID® 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*)
Functions	CSN read-only, secure (file, sector) and secure protocol (Secure Plus) / Controlled by protocol (read/write)
Communication interfaces & protocols	Wiegand output RS485 output with OSDP™ v1 (plain communication) and v2 (SCP secure communication) protocols
Touchscreen	Color touchscreen - 2.8" - 240 x 320 pixels 12 keys - Standard or random (scramble pad) keypad function / Functions: Card AND Key / Card OR Key Configurable by RFID card or software according to the interface
Reading distances**	Up to 6 cm / 2.36" with a 125 kHz card Up to 4 cm / 1.57" with a MIFARE® DESFire® EV2 card
Light indicators	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by RFID card, software or external command (0V) according to the interface
Audio indicator	Internal buzzer Configuration by RFID card, software or external command (0V) according to the interface
Relay	Automatic tamper direction management or OSDP™ command according to the interface
Power requirement	240 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)
Dimensions (h x w x d)	156.4 x 80 x 30.5 mm / 6.14" x 3.15" x 1.2" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 20°C to + 70°C / - 4°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 - 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 FC ®UL ®us	CE (Europe), FCC (USA), IC (Canada) and UL
Part numbers	Wiegand protocol .... ARC-RX1-KM/BF5-3x/1 Controlled by OSDP™ protocol - RS485 .... ARC-WX3-KM/BF5-7OS/1

DISCOVER OUR CREDENTIALS AND MANAGEMENT TOOLS

ISO cards & key holders (125 kHz, 13.56 MHz, dual-frequency...)

NFC smartphones using STid Mobile ID® application

SECard configuration kit and OSDP™ V1 & V2 protocols

Privacy filter ANTI-SPY-ARC

Detection zone 13.56 MHz + NFC

Detection zone 125 kHz

156.4 mm / 6.14"

39 mm / 1.53"

80 mm / 3.15"

30.5 mm / 1.2"