

# TOUCHSCREEN / KEYPAD READER

RFID CARDS & NFC SMARTPHONES



- Display of your logo, images and customized text
- 2 configurable multicolor LEDs

## BENEFITS

- Customizable multi-function color touchscreen
- High-security function with scramble pad
- Interoperable and multi-protocol
- Indoor / outdoor use

Compatible with all access control systems, the Architect® reader combines RFID and NFC technologies with a color touchscreen allowing the display of a keyboard and/or information.

## WELCOME TO HIGH SECURITY

The reader supports the latest MIFARE® DESFire® EV2 & EV3 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).

## MULTI-FUNCTION SCREEN 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.



**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™ and SSCP® 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 card or protocol.

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

## 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™).

## EASY TO INSTALL

The Architect® reader delivers ease of installation for indoor or outdoor environments:

- Removable terminal block
- Compatible with European and American back boxes
- Mounting on any surface, including metal, concrete, brick, etc.

## SPECIFICATIONS

Operating frequency/ Standards	13.56 MHz: ISO14443 types A & B, ISO18092																								
Technology compatibilities	MIFARE® Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® (S/X) & Plus® EV1, DESFire® 256, EV1, EV2 & EV3, PicoPass® (CSN only), iCLASS™ (CSN only*) NFC HCE smartphones																								
Functions	CSN read-only, secure (file, sector) and secure protocol (Secure Plus) / Controlled by protocol (read/write)																								
Communication interfaces & protocols	TTL Data Clock (ISO2) or Wiegand output (encrypted option - S31) / RS485 output (encrypted option - S33) and RS232 output with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) Compatible with EasySecure interface																								
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 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 SSCP® / OSDP™ command according to the interface																								
Power requirement	Max 200 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) / ASA-PC-UL-V0 UV (white)																								
Dimensions (h x w x d)	128 x 80 x 30.5 mm / 5.04" 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: 5 - 90%																								
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), UKCA (UK) and UL																								
Part numbers y: casing color (1: black - 2: white)	<table border="0"> <tr> <td>CSN serial number - TTL .....</td> <td>ARC-R31-C/103-xx/y</td> </tr> <tr> <td>Secure read only - TTL .....</td> <td>ARC-R31-C/PH5-xx/y</td> </tr> <tr> <td>Secure read only / Secure Plus - TTL .....</td> <td>ARC-S31-C/PH5-xx/y</td> </tr> <tr> <td>Secure read only - RS232 .....</td> <td>ARC-R32-C/PH5-5AB/y</td> </tr> <tr> <td>Secure read only - RS485 .....</td> <td>ARC-R33-C/PH5-7AB/y</td> </tr> <tr> <td>Secure read only / EasySecure interface - RS485 .....</td> <td>ARC-R33-C/PH5-7AA/y</td> </tr> <tr> <td>Secure read only / Secure Plus - RS485 .....</td> <td>ARC-S33-C/PH5-7AB/y</td> </tr> <tr> <td>Secure read only / Secure Plus / EasySecure interface - RS485 .....</td> <td>ARC-S33-C/PH5-7AA/y</td> </tr> <tr> <td>Controlled by SSCP® v1 protocol - RS232 .....</td> <td>ARC-W32-C/PH5-5AA/y</td> </tr> <tr> <td>Controlled by SSCP® v1 protocol - RS485 .....</td> <td>ARC-W33-C/PH5-7AA/y</td> </tr> <tr> <td>Controlled by SSCP® v2 protocol - RS485 .....</td> <td>ARC-W33-C/PH5-7AD/y</td> </tr> <tr> <td>Controlled by OSDP™ v1 &amp; v2 protocol - RS485 .....</td> <td>ARC-W33-C/PH5-7OS/y</td> </tr> </table>	CSN serial number - TTL .....	ARC-R31-C/103-xx/y	Secure read only - TTL .....	ARC-R31-C/PH5-xx/y	Secure read only / Secure Plus - TTL .....	ARC-S31-C/PH5-xx/y	Secure read only - RS232 .....	ARC-R32-C/PH5-5AB/y	Secure read only - RS485 .....	ARC-R33-C/PH5-7AB/y	Secure read only / EasySecure interface - RS485 .....	ARC-R33-C/PH5-7AA/y	Secure read only / Secure Plus - RS485 .....	ARC-S33-C/PH5-7AB/y	Secure read only / Secure Plus / EasySecure interface - RS485 .....	ARC-S33-C/PH5-7AA/y	Controlled by SSCP® v1 protocol - RS232 .....	ARC-W32-C/PH5-5AA/y	Controlled by SSCP® v1 protocol - RS485 .....	ARC-W33-C/PH5-7AA/y	Controlled by SSCP® v2 protocol - RS485 .....	ARC-W33-C/PH5-7AD/y	Controlled by OSDP™ v1 & v2 protocol - RS485 .....	ARC-W33-C/PH5-7OS/y
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## DISCOVER THE COMPANION PRODUCTS



13.56 MHz or dual frequency  
ISO cards & key holders



NFC smartphones  
using STid Mobile ID® application



Privacy filter  
ANTI-SPY-ARC



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