TOUCHSCREEN / KEYPAD & QR CODE READER
MULTI-TECHNOLOGY RFID, NFC AND MATRIX CODES

Available in standard or keypad versions

11 Awards

BENEFITS

- Integrated QR code & contactless solution
- Quick reading of QR Codes printed or on your smartphone
- High-security function with scramble pad
- Backward compatible and interoperable

OSDP™
Supported by SIA

SSCP®
Supported by SPAC®
Smart Physical Access Control

13.56 MHz | QR Code | TTL RS232 RS485 | Water resistant EQ IP65 | YOUR LOGO

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

The Architect® reader combines a color touch screen keypad with a QR Code module for employee and visitor identification.

Identification by QR Code simplifies the management of temporary access in offices, parking lots or any other infrastructure.

SIMPLE AND EASY TO USE

The access control reader by QR Code Architect® streamlines visitor access with ease and ultimate dual speed reading.

It guarantees QR Code-reading day and night and in all weather conditions: very bright environments, reflections, indoor or outdoor...

The user benefits from very ergonomic visual and audible feedback through the double LEDs, the display of information on the screen and the integrated buzzer.

MULTI-TECHNOLOGY READER

The reader facilitates the identification of users with different profiles (visitors, employees, tenants, drivers...) by its compatibility with multiple identification technologies.

QR Code

Multi-formats supported (1D & 2D codes): QR Code, Micro QR Code, Code 128, Aztec, and Data Matrix. The QR Code can be printed or simply displayed on your smartphone (e-mails, virtual cards, etc.).

RFID MIFARE® DESFire® EV2 & EV3

The reader supports the latest MIFARE® DESFire® EV2 & EV3 contactless technologies with new data security features:

- **Secure Messaging EV2:** protection against interleaving and replay attacks.
- **Proximity Check:** improved protection against relay attacks.

It supports the use of public security algorithms recognized by specialized and independent organizations in information security (ANSSI 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.

Buttons 100% customizable using the SSCP® protocol: alarm activation, time management...

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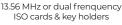

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

STid

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*)
Functions	CSN read-only, secure (file, sector) and secure protocol (Secure Plus) / Secure read-write
Communication interfaces & protocols	TTL Data Clock (ISO2) or Wiegand output (encrypted option - S31) / RS232 output / RS485 output (encrypted option - S33) with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) Compatible with EasySecure interface
Matrix code reader	1D & 2D codes: QR Code versions 1, 2 and 3; Micro QR Code; code 128; Aztec and Data Matrix Different formats: hexadecimal; decimal; ASCII; raw (in OSDP™) Detection under ambient lighting from 0 to 100,000 LUX / 3 available modes: ECO; normal day and night; intense brightness Adjustable light beam / target brightness and detection sensitivity
Touch Screen	Color touch screen - 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 , UHF technology or software according to the interface
Reading distances**	3 cm / 1.18" minimum with a QR Code (depending on the size of the code) Up to 4 cm / 1.57" with a MIFARE® DESFire® EV2 card
Integrated UHF chip	EPC 1 Gen 2 for contactless reader configuration (protocols, LEDs, buzzer...)
Light indicator	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by card RFID, software, external command (0V) or UHF technology according to the interface
Audio indicator	Internal buzzer Configuration by card RFID, software, external command (0V) or UHF technology according to the interface
Relay	Automatic tamper direction management or SSCP® / OSDP™ command according to the interface
Power requirement	330 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)	174.8 x 80 x 36 mm / 6,85" x 3.15" x 1.42" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 20°C to + 60°C / - 4°F to + 140°F
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller
Protection / Resistance	IP65 Level excluding connector - 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 FC ® ®	CE (Europe), FCC (USA), IC (Canada) and UL
Part numbers	Read only secure - TTL ....ARC-R31-CQ/PH5-xx/1 Read only secure / Secure Plus - TTL..ARC-S31-CQ/PH5-xx/1 Read only secure - RS232 .... ARC-R32-CQ/PH5-5AB/1 Read only secure - RS485 ....ARC-R33-CQ/PH5-7AB/1 Read only secure / EasySecure interface - RS485 ....ARC-R33-CQ/PH5-7AA/1 Read only secure / Secure Plus - RS485..ARC-S33-CQ/PH5-7AB/1 Read only secure / Secure Plus / EasySecure interface- RS485...ARC-S33-CQ/PH5-7AA/1 Read/write secure SSCP® v1 - RS232 ....ARC-W32-CQ/PH5-5AA/1 Read/write secure SSCP® v1 - RS485...ARC-W33-CQ/PH5-7AA/1 Read/write secure SSCP® v2 - RS485...ARC-W33-CQ/PH5-7AD/1 Read/write secure OSDP™ v1 & v2 - RS485...ARC-W33-CQ/PH5-7OS/1

DISCOVER OUR CREDENTIALS AND ERGONOMIC MANAGEMENT TOOLS

13.56 MHz or dual frenquency ISO cards & key holders

QR Codes, NFC smartphones using STid Mobile ID® application

SECARD

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 PICO1444-3B.
**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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