

CARD & QR CODE READER

MULTI-TECHNOLOGY RFID, NFC AND MATRIX CODES



Available in keypad or touchscreen versions



BENEFITS

- Integrated QR code & contactless solution
- Quick reading of QR Codes printed or on your smartphone
- Backward compatible and interoperable



- Add your Logo
- 2 configurable multicolor LEDs

The Architect® RFID reader is equipped with a QR Code module to enable the identification of employees and visitors.

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 ergonomic design of the reader enables feedback to the user: double visual led indicator, audible indicator, etc.

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).

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The reader is compatible with all access control systems and accepts multiple interfaces and protocols (Wiegand, Clock & Data, RS232, SSCP® and OSDPTM).

The QR Code module can be installed on all existing compatible Architect® readers.

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.

The modularity allows to implement new functions such as a keypad or a touch screen.

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 (certified IK08).

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, OSDPT™ 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 OSDPT™) 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
Reading distances**	3 cm / 1.18" minimum with a QR Code (depending on the size of the code) Up to 8 cm / 3.15" 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 RFID card, software, external command (0V) or UHF technology according to the interface
Audio indicator	Internal buzzer Configuration by RFID card, software, external command (0V) or UHF technology according to the interface
Relay	Automatic tamper direction management or SSCP® / OSDPT™ command according to the interface
Power requirement	260 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)	156.5 x 80 x 36 mm / 6.3" x 3.15" x 1.02" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 30°C to + 60°C / - 22°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% / Reinforced IK08 certified 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	Read only secure - TTL.....ARC-R31-AQ/PH5-xx/1 Read only secure / Secure Plus - TTL.....ARC-S31-AQ/PH5-xx/1 Read only secure - RS232.....ARC-R32-AQ/PH5-5AB/1 Read only secure - RS485.....ARC-R33-AQ/PH5-7AB/1 Read only secure / EasySecure interface - RS485.....ARC-R33-AQ/PH5-7AA/1 Read only secure / Secure Plus - RS485.....ARC-S33-AQ/PH5-7AB/1 Read only secure / Secure Plus / EasySecure interface - RS485.....ARC-S33-AQ/PH5-7AA/1 Read/write secure SSCP® v1 - RS232.....ARC-W32-AQ/PH5-5AA/1 Read/write secure SSCP® v1 - RS485.....ARC-W33-AQ/PH5-7AA/1 Read/write secure SSCP® v2 - RS485.....ARC-W33-AQ/PH5-7AD/1 Read/write secure OSDPT™ v1 & v2 - RS485.....ARC-W33-AQ/PH5-7OS/1

DISCOVER OUR CREDENTIALS AND ERGONOMIC MANAGEMENT TOOLS



13.56 MHz or dual frequency
ISO cards & key holders



QR Codes, NFC smartphones
using STid Mobile ID® application



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

*Our readers only read the iCLASS™ chip serial number / UID PIC01444-3B. They do not read iCLASS™ cryptographic protection or the HID Global serial number / UID PIC01444-3B.

**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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