

KEYPAD & QR CODE READER

MULTI-TECHNOLOGY RFID, NFC AND MATRIX CODES



Available in standard or touchscreen versions



BENEFITS

- Integrated QR code & contactless solution
- Quick reading of QR Codes printed or on your smartphone
- Multi-factor identification with capacitive keypad
- Backward compatible and interoperable



- Add your Logo
- 2 configurable multicolor LEDs

The Architect® keypad 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).

VANDAL-PROOF CAPACITIVE KEYPAD

Equipped with a backlit keypad, the reader allows multi-factor identification of users by combining the reading of an RFID with the input of a personal keypad code.

Thanks to its different operating modes, the keypad can be used for identification or to activate additional functions (alarm...).

The same reader can also operate in multiple mode. It authorizes, for example, the reading of cards for personnel or 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, Clock & Data, RS232, SSCP® and OSDPTM).

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

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																						
Keypad	Sensitive / capacitive keypad - 12 backlit keys / Modes: Card AND Key / Card OR Key Configurable by RFID card, UHF technology or software depending on interface																						
Reading distances**	3 cm / 1.18" minimum with a QR Code (depending on the size of the code) Up to 6 cm / 2.36" with a MIFARE® DESFire® EV2 card																						
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® / OSDP™ command according to the interface																						
Power requirement	290 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	<table border="0"> <tr> <td>Read only secure - TTL</td> <td>ARC-R31-BQ/PH5-xx/1</td> </tr> <tr> <td>Read only secure / Secure Plus - TTL.....</td> <td>ARC-S31-BQ/PH5-xx/1</td> </tr> <tr> <td>Read only secure - RS232</td> <td>ARC-R32-BQ/PH5-5AB/1</td> </tr> <tr> <td>Read only secure - RS485</td> <td>ARC-R33-BQ/PH5-7AB/1</td> </tr> <tr> <td>Read only secure / EasySecure interface - RS485</td> <td>ARC-R33-BQ/PH5-7AA/1</td> </tr> <tr> <td>Read only secure / Secure Plus - RS485.....</td> <td>ARC-S33-BQ/PH5-7AB/1</td> </tr> <tr> <td>Read only secure / Secure Plus / EasySecure interface- RS485.....</td> <td>ARC-S33-BQ/PH5-7AA/1</td> </tr> <tr> <td>Read/write secure SSCP® v1 - RS232.....</td> <td>ARC-W32-BQ/PH5-5AA/1</td> </tr> <tr> <td>Read/write secure SSCP® v1 - RS485.....</td> <td>ARC-W33-BQ/PH5-7AA/1</td> </tr> <tr> <td>Read/write secure SSCP® v2 - RS485.....</td> <td>ARC-W33-BQ/PH5-7AD/1</td> </tr> <tr> <td>Read/write secure OSDP™ v1 & v2 - RS485.....</td> <td>ARC-W33-BQ/PH5-7OS/1</td> </tr> </table>	Read only secure - TTL	ARC-R31-BQ/PH5-xx/1	Read only secure / Secure Plus - TTL.....	ARC-S31-BQ/PH5-xx/1	Read only secure - RS232	ARC-R32-BQ/PH5-5AB/1	Read only secure - RS485	ARC-R33-BQ/PH5-7AB/1	Read only secure / EasySecure interface - RS485	ARC-R33-BQ/PH5-7AA/1	Read only secure / Secure Plus - RS485.....	ARC-S33-BQ/PH5-7AB/1	Read only secure / Secure Plus / EasySecure interface- RS485.....	ARC-S33-BQ/PH5-7AA/1	Read/write secure SSCP® v1 - RS232.....	ARC-W32-BQ/PH5-5AA/1	Read/write secure SSCP® v1 - RS485.....	ARC-W33-BQ/PH5-7AA/1	Read/write secure SSCP® v2 - RS485.....	ARC-W33-BQ/PH5-7AD/1	Read/write secure OSDP™ v1 & v2 - RS485.....	ARC-W33-BQ/PH5-7OS/1
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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
SECard configuration kit and
SSCP® v1 & v2 and OSDP™ 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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