

CARD & QR CODE READER

MULTI-TECHNOLOGY RFID, NFC, BLUETOOTH[®] AND MATRIX CODES

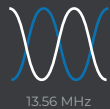


Available in keypad or touchscreen versions



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[®] Blue RFID, NFC, and Bluetooth[®] multi-technology 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[®] Blue 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.).

Bluetooth[®] & NFC

The smartphone becomes your access key and removes all the limitations of traditional access control cards. STid offers 6 modes of Prox, long distance or hands-free identification to make your access control both secure and instinctive!

RFID MIFARE[®] DESFire[®] EV2 & EV3

The reader supports the latest MIFARE[®] DESFire[®] EV2 & EV3 contactless technologies with new data security features: Secure Messaging EV2 and Proximity Check.

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, SSCP[®] and OSDP[™]).

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

A CUSTOMIZED SCALABLE CONFIGURATION

The Architect[®] Blue 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 Bluetooth® |
| 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) STid Mobile ID® (NFC HCE and Bluetooth® virtual card), Orange Pack ID |
| 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) / 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 MatrixQR Code, 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 |
| 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 Up to 20 m / 65.6 ft with a Bluetooth® smartphone (adjustable distances on each reader) |
| Data protection | Yes - EAL5+ secure data storage with certified crypto processor |
| Integrated UHF chip | EPC 1 Gen 2 for contactless reader configuration (protocols, LEDs, buzzer...) |
| Light indicator | 2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by card (standard or virtual), software, external command (0V) or UHF technology according to the interface |
| Audio indicator | Internal buzzer with adjustable intensity Configuration by card (standard or virtual), 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 | 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.....ARCS-R31-AQ/BT1-xx/1 Read only secure / Secure Plus - TTL.....ARCS-S31-AQ/BT1-xx/1 Read only secure - RS485.....ARCS-R33-AQ/BT1-7AB/1 Read only secure / EasySecure interface - RS485.....ARCS-R33-AQ/BT1-7AA/1 Read only secure / Secure Plus - RS485.....ARCS-S33-AQ/BT1-7AB/1 Read only secure / Secure Plus / EasySecure interface - RS485.....ARCS-S33-AQ/BT1-7AA/1 Read/write secure SSCP® v1 - RS485.....ARCS-W33-AQ/BT1-7AA/1 Read/write secure SSCP® v2 - RS485.....ARCS-W33-AQ/BT1-7AD/1 Read/write secure OSDP™ v1 & v2 - RS485.....ARCS-W33-AQ/BT1-7OS/1 |

DISCOVER OUR CREDENTIALS AND ERGONOMIC MANAGEMENT TOOLS



13.56 MHz or dual frequency
ISO cards & key holders



QR Codes, Bluetooth® & NFC smartphones
using STid Mobile ID® application



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



STid Mobile ID®
Online Portal
Web platform for remote management
of your virtual cards

*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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