

# TOUCHSCREEN / KEYPAD & QR CODE READER

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

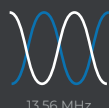


Available in standard or keypad versions



## 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



13.56 MHz



BLUETOOTH®



QR Code



TTL  
RS485



EAL5+



Water  
resistant  
EQ IP65



YOUR LOGO

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

The multi-technology RFID, NFC, and Bluetooth® Architect® Blue 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® 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 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.).

### 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).

## MULTI-FUNCTION SCREEN READER

Both a reader and a tactile keypad, it allows user identification by combining the reading of an RFID or virtual 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.

## 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 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 card (standard or virtual with STid Settings application), 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 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																				
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	340 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 (Europe), FCC (USA), IC (Canada) and UL																				
Part numbers	<table border="0"> <tr> <td>Read only secure - TTL.....</td> <td>ARCS-R31-CQ/BT1-xx/1</td> </tr> <tr> <td>Read only secure / Secure Plus - TTL.....</td> <td>ARCS-S31-CQ/BT1-xx/1</td> </tr> <tr> <td>Read only secure - RS485.....</td> <td>ARCS-R33-CQ/BT1-7AB/1</td> </tr> <tr> <td>Read only secure / EasySecure interface - RS485 .....</td> <td>ARCS-R33-CQ/BT1-7AA/1</td> </tr> <tr> <td>Read only secure / Secure Plus - RS485.....</td> <td>ARCS-S33-CQ/BT1-7AB/1</td> </tr> <tr> <td>Read only secure / Secure Plus / EasySecure interface - RS485 .....</td> <td>ARCS-S33-CQ/BT1-7AA/1</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Read/write secure SSCP® v1 - RS485.....</td> <td>ARCS-W33-CQ/BT1-7AA/1</td> </tr> <tr> <td>Read/write secure SSCP® v2 - RS485.....</td> <td>ARCS-W33-CQ/BT1-7AD/1</td> </tr> <tr> <td>Read/write secure OSDP™ v1 &amp; v2 - RS485.....</td> <td>ARCS-W33-CQ/BT1-7OS/1</td> </tr> </table>	Read only secure - TTL.....	ARCS-R31-CQ/BT1-xx/1	Read only secure / Secure Plus - TTL.....	ARCS-S31-CQ/BT1-xx/1	Read only secure - RS485.....	ARCS-R33-CQ/BT1-7AB/1	Read only secure / EasySecure interface - RS485 .....	ARCS-R33-CQ/BT1-7AA/1	Read only secure / Secure Plus - RS485.....	ARCS-S33-CQ/BT1-7AB/1	Read only secure / Secure Plus / EasySecure interface - RS485 .....	ARCS-S33-CQ/BT1-7AA/1			Read/write secure SSCP® v1 - RS485.....	ARCS-W33-CQ/BT1-7AA/1	Read/write secure SSCP® v2 - RS485.....	ARCS-W33-CQ/BT1-7AD/1	Read/write secure OSDP™ v1 & v2 - RS485.....	ARCS-W33-CQ/BT1-7OS/1
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## DISCOVER OUR CREDENTIALS AND ERGONOMIC MANAGEMENT TOOLS



13.56 MHz or dual frequency  
ISO cards & key holders



QR Codes, 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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