



MULTI-TECHNOLOGY READERS RFID CARDS, NFC, BLUETOOTH® & QR CODE



Available in keypad and touchscreen versions



BENEFITS

- All in one reader: RFID, NFC, Bluetooth® & QR Code
- Cost-effective
- Fast and reliable QR Code identification: smartphone screens and paper
- Retrofit supported



LET YOUR IMAGINATION FLOW

Customization of the multicolor LEDs (RGB, 360 colors)



PRINTING OF YOUR LOGO using digital UV or pad printing

Compatible with all access control systems, the Architect® Blue multi-technology RFID, NFC and Bluetooth® reader has a QR Code module to simplify all your temporary access control applications. Access control systems with QR Code technology offer a cost-effective and reliable solution to visitor management within an office or facility.

FAST AND EASY IDENTIFICATION TO IMPROVE USER EXPERIENCE

The Architect® Blue QR Code access control offers convenience to temporary visitors and is fully integrated into the global security organization. It improves the efficiency of visitor management for the building/security manager. The QR Code module is designed to ensure successful identification in all conditions (full sunlight, reflections, etc.).

The QR Code module can be retrofitted to any existing compatible Architect® Blue reader.

ALL IN ONE READER TO MEET ALL SECURITY REQUIREMENTS

The multi-technology Architect® Blue range makes it easy to manage extensions, upgrades and technology migrations.

QR Code

Multiple formats supported (1D & 2D Codes): QR Code, Micro QR Code, code 128, Aztec and Datamatrix. QR Codes can be generated by existing systems/software and used in paper format or directly on the smartphone (email, virtual cards, etc.)

Bluetooth® low energy and NFC

Your smartphone becomes your access key by eliminating the constraints of traditional access control. Choose your favorite identification mode and make your access options both secure and much more instinctive!

RFID MIFARE® DESFire® EV2

The reader supports the latest contactless MIFARE® DESFire® EV2 chips with new data

securization systems: Secure Messaging EV2 and Proximity Check. It makes it possible to use public security algorithms (3DES, AES, RSA, SHA, etc.) recognized by specialized and independent bodies in the information security sector (ANSSI & FIPS).

CREATE YOUR OWN SCALABLE CONFIGURATION

The Architect® Blue reader can be tailored to your needs, ensuring that all functionalities and security levels can be upgraded across all your readers. The modularity concept allows you to implement new functions: keypad or touchscreen.

STANDING THE TEST OF TIME

The Architect® Blue reader design has been developed to withstand harsh environments, to operate outside and to offer a high level of vandal-proof resistance.

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz : ISO14443A types A & B, ISO18092 Bluetooth®																		
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2, CPS3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only) STid Mobile ID® (NFC & Bluetooth® virtual card), Orange Pack ID																		
Functions	Read only: CSN or private ID (sector/file) / Secure Protocol (Secure Plus) / Secure Read Write																		
Communication interfaces & protocols	TTL protocol Data Clock (ISO2) or Wiegand (ciphered mode S31) / RS485 (ciphered mode S33) with secure communication protocols SSCP & SSCP2 ; OSDP™ V1 (plain communication) & V2 (SCP secure communication) - Compatible with EasySecure interface																		
Reading distances**	3 cm / 1.18" minimum with a QRcode (depending on the size of the code) Up to 8 cm / 3.15" with a 125 kHz card / 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...)																		
Barcode technologies	QR Code / Micro QR Code, Datamatrix, Aztec, Code 128																		
Light indicator	2 RGB LEDs - 360 colors Configuration by card (standard or virtual with STid Settings application), software, external command (OV) or UHF technology according to the interface																		
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual with STid Settings application), software, external command (OV) or UHF technology according to the interface																		
Relay	Automatic tamper direction management or SSCP / OSDP™ command according to the interface																		
Power requirement	250 mA / 12 VDC typical																		
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) / ASA-PC-UL-V0 UV (white)																		
Dimensions (h x w x d)	160 x 80 x 25.70 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 / Humidity: 5 - 90%																		
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) Reinforced 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, Carlton B120A-UP																		
Certifications	CE, FCC and UL																		
Part numbers	<table border="0"> <tr> <td>Read only secure - TTL</td> <td>ARCS-R31-AQ/BT1-xx/y</td> </tr> <tr> <td>Read only secure / Secure Plus - TTL</td> <td>ARCS-S31-AQ/BT1-xx/y</td> </tr> <tr> <td>Read only secure - RS485</td> <td>ARCS-R33-AQ/BT1-7AB/y</td> </tr> <tr> <td>Read only secure / EasySecure interface - RS485</td> <td>ARCS-R33-AQ/BT1-7AA/y</td> </tr> <tr> <td>Read only secure / Secure Plus - RS485</td> <td>ARCS-S33-AQ/BT1-7AB/y</td> </tr> <tr> <td>Read only secure / Secure Plus / EasySecure interface - RS485</td> <td>ARCS-S33-AQ/BT1-7AA/y</td> </tr> <tr> <td>Read/write secure SSCP - RS485</td> <td>ARCS-W33-AQ/BT1-7AA/y</td> </tr> <tr> <td>Read/write secure SSCP2 - RS485</td> <td>ARCS-W33-AQ/BT1-7AD/y</td> </tr> <tr> <td>Read/write secure OSDP™ - RS485</td> <td>ARCS-W33-AQ/BT1-70S/y</td> </tr> </table>	Read only secure - TTL	ARCS-R31-AQ/BT1-xx/y	Read only secure / Secure Plus - TTL	ARCS-S31-AQ/BT1-xx/y	Read only secure - RS485	ARCS-R33-AQ/BT1-7AB/y	Read only secure / EasySecure interface - RS485	ARCS-R33-AQ/BT1-7AA/y	Read only secure / Secure Plus - RS485	ARCS-S33-AQ/BT1-7AB/y	Read only secure / Secure Plus / EasySecure interface - RS485	ARCS-S33-AQ/BT1-7AA/y	Read/write secure SSCP - RS485	ARCS-W33-AQ/BT1-7AA/y	Read/write secure SSCP2 - RS485	ARCS-W33-AQ/BT1-7AD/y	Read/write secure OSDP™ - RS485	ARCS-W33-AQ/BT1-70S/y
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y: casing color (1: black - 2: white)																			

DISCOVER OUR CREDENTIALS



13.56 MHz or dual frequency ISO cards & key holders



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



AND OUR ERGONOMIC MANAGEMENT TOOLS



SECARD configuration kit and SSCP, SSCP2 & OSDP™ protocols



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

*Our readers read only the iCLASS™ UID/Chip Serial Number. They do not read secure HID Global's iCLASS™ cryptographic protections.

**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading).

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