QxControl™ & STiD Architect®Blue

CARD & QR CODE READER

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

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..

HIGHLIGHTS

Features

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

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.

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SPECIFICATIONS

Operating frequency / Standards	13.56 MHz: ISO14443 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 & EV3, CPS3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only*) STid Mobile ID® (NFC and Bluetooth® virtual card), Orange Pack ID
Functions	Read only CSN, pre-configured (Easyline - PC2) and secure (file, sector) / Controlled by protocol (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® / OSDPTM command according to the interface
Power requirement	200 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
Materials	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:

y: color casing (1: black - 2: white)

Secure - TTL Wiegand or Clock&Data:	**ARCS-R31-AQ/BT1-xx/y**
Secure / Secure Plus - encrypted TTL Wiegand or Clock&Data:	**ARCS-S31-AQ/BT1-xx/y**
Secure - RS485:	**ARCS-R33-AQ/BT1-7AB/y**
Secure / Secure Plus - encrypted RS485:	**ARCS-S33-AQ/BT1-7AB/y**
Secure / EasySecure Interface - RS485:	**ARCS-R33-AQ/BT1-7AA/y**
Secure / Secure Plus / EasySecure Interface - encrypted RS485:	**ARCS-S33-AQ/BT1-7AA/y**

Controlled by SSCP® v1 protocol - RS485:	**ARCS-W33-AQ/BT1-7AA/y**
Controlled by SSCP® v2 protocol - RS485:	**ARCS-W33-AQ/BT1-7AD/y**
Controlled by OSDP™ v1 & v2 protocol - RS485:	**ARCS-W33-AQ/BT1-7OS/y**

*Our readers only read the iCLASS™ chip serial number / UID PICO1444-3B. They do not read iCLASS™ cryptographic protection or the HID Global serial number / UID PICO1444-3B.
**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.